Class SH365

Book M3

1912 c

DEPARTMENT OF COMMERCE AND LABOR
COAST AND GEODETIC SURVEY
O. H. TITTMANN, Superintendent

SURVEY OF OYSTER BARS

TALBOT COUNTY
MARYLAND

DESCRIPTION OF BOUNDARIES AND LANDMARKS AND REPORT OF WORK OF UNITED STATES COAST AND GEODETIC SURVEY IN COOPERATION WITH UNITED STATES BUREAU OF FISHERIES AND MARYLAND SHELL FISH COMMISSION

By C. C. YATES
CHIEF OF COAST AND GEODETIC SURVEY PARTY
ASSISTANT, COAST AND GEODETIC SURVEY

WASHINGTON
GOVERNMENT PRINTING OFFICE
1912

DEPARTMENT OF COMMERCE AND LABOR

U. S. COAST AND GEODETIC SURVEY

O. H. TITTMANN, Superintendent

SURVEY OF OYSTER BARS

TALBOT COUNTY
MARYLAND

DESCRIPTION OF BOUNDARIES AND LANDMARKS AND REPORT OF WORK OF UNITED STATES COAST AND GEODETIC SURVEY IN COOPERATION WITH UNITED STATES BUREAU OF FISHERIES AND MARYLAND SHELL FISH COMMISSION

By C. C. YATES

CHIEF OF COAST AND GEODETIC SURVEY PARTY
ASSISTANT, COAST AND GEODETIC SURVEY

WASHINGTON
GOVERNMENT PRINTING OFFICE
1912

SH365
.M3
1912c

D. OF D.
DEC 5 1912

LETTER OF SUBMITTAL.

DEPARTMENT OF COMMERCE AND LABOR,
COAST AND GEODETIC SURVEY,
Washington, July 20, 1912.

SIR: I have the honor to transmit herewith a report of the officer detailed from the Coast and Geodetic Survey to cooperate with the Bureau of Fisheries and the Maryland Shell Fish Commission in surveying the oyster bars of the State of Maryland, together with certain technical results which are necessary for the interpretation and use of the plats of the survey made by the Government.

This work has been done under the provisions of the act of Congress entitled "An act to authorize the Secretary of Commerce and Labor to cooperate, through the Bureau of the Coast and Geodetic Survey and the Bureau of Fisheries, with the Shell Fish Commissioners of the State of Maryland in making surveys of the natural oyster beds, bars, and rocks in the waters within the State of Maryland," approved May 26, 1906, and of the acts of Congress making appropriations for sundry civil expenses of the Government for the fiscal years ending June 30, 1907, 1908, 1909, 1910, 1911, and 1912.

Respectfully,

O. H. TITTMANN, *Superintendent.*

To Hon. CHARLES NAGEL,
Secretary of Commerce and Labor.

CERTIFICATION.

BALTIMORE, MD., *May 4, 1912.*

The following publication is certified to contain correct technical descriptions of all boundaries and landmarks established in Talbot County by the Maryland Shell Fish Commission in cooperation with the United States Coast and Geodetic Survey.

C. C. YATES,
Chief of Coast and Geodetic Survey Party,
Assistant, Coast and Geodetic Survey.

BALTIMORE, MD., *May 4, 1912.*

Examined and certified to be correct.

WALTER J. MITCHELL,
CASWELL GRAVE,
BENJAMIN K. GREEN,
Maryland Shell Fish Commission.

SWEPSON EARLE,
Hydrographic Engineer.

NOTE.—Certified copies of this publication and of the charts of the natural oyster bars of Talbot County were filed in the office of the clerk of the circuit court of Talbot County and in the office of the Board of Shell Fish Commissioners on July 20, 1912.

CONTENTS.

	Page.
PROGRESS MAP.....follows	250
LETTER OF SUBMITTAL	3
CERTIFICATION	5
INTRODUCTION	19
Publications	19
Cooperation of the Coast and Geodetic Survey	20
Cooperation of the Bureau of Fisheries	20
General statement of work of Coast and Geodetic Survey	20
REPORT OF THE WORK OF THE COAST AND GEODETIC SURVEY:	
Instructions	22
Organization and equipment	23
Chronological statement of work	23
Statistics	25
General remarks	25
CHARTS AND MAPS	27
Charts of natural oyster bars	27
Leasing charts	28
Projections	29
Progress maps	29
BOUNDARIES OF THE COUNTY WATERS	30
Waters within territorial limits of county	30
Waters contiguous to county	31
LANDMARKS (U. S. COAST AND GEODETIC SURVEY TRIANGULATION STATIONS)	33
Explanation	33
Method of describing triangulation stations	33
Descriptions of triangulation stations in county and adjacent waters	36
Chart No. 31 (entrance to Eastern Bay and vicinity)—	
Thomas Point Shoal Light	36
Bloody Point Bar Light	36
Tenk	36
Straight	37
Mouth	37
Matta	38
Batts	38
Turkey	39
Needle	39
Cox	39
Rich Neck Water Tank (*see also* Chart No. 32)	40
Kemp Tower	40
Kemp	40
End (*see also* Charts Nos. 32 and 34)	41
Lawn (*see also* Charts Nos. 32 and 34)	41

LANDMARKS (U. S. COAST AND GEODETIC SURVEY TRIANGULATION STATIONS)—Continued.
Descriptions of triangulation stations in county and adjacent waters—Continued.
Chart No. 32 (Eastern Bay and tributaries)— Page.
Parsons . . 42
Parsons Island Water Tank 42
Norman . . 42
Alley 43
Bonnet 43
Brian Reference Station . . 44
Green . . 44
Bean 45
Hough 45
Won 45
Nose 46
Snout 46
South 47
Flat 47
Albert 48
Le Seur 48
Attila 49
Tobine 49
Sang 49
Turn 50
Go 50
Divide 51
Princess 51
Philip 52
Granary 52
Morn 52
Bush 53
Nub 53
Wheel 54
Pick 54
Corner (Wye River 55
Right 55
Chew 55
Whale 56
Matter 56
Deek 57
Quarter 57
Nodlim 57
Gusto 58
Sylvia 58
Baldwins 58
Cousin 59
Lloyd 59
Edward 60
Colonel 60
Shaw 60
Bruffs 61
Law 61
James (Miles River) 62
Frank 62
Wood 63

LANDMARES (U. S. COAST AND GEODETIC SURVEY TRIANGULATION STATIONS)—Continued.
Descriptions of triangulation stations in county and adjacent waters—Continued.
Chart No. 32 (Eastern Bay and tributaries)—Continued. Page.
Herr 63
Ollie 64
Swing 64
Fair 65
Second 65
But 65
Aber 66
Two 66
Face 67
Mais 67
Beak 68
Rieman 68
Leeds 68
Johnson (*see also* Chart No. 34) 69
Lowndes 69
Draw 70
Chap 70
Villa 71
Easton 71
Henderson (*see also* Chart No. 34) 71
St. Michaels Water Tank (*see also* Chart No. 34) 72
Millwind 72
Deewat 72
Spar 73
Sara 73
Seth 74
Rich Neck Water Tank (*see also* Chart No. 31) 40
Pearson 74
Dixon 75
Lawn (*see also* Charts Nos. 31 and 34) 41
End (*see also* Charts Nos. 31 and 34) 41
Rod (*see also* Chart No. 34) 75
Otto (*see also* Chart No. 34) 75
Chart No. 33 (Chesapeake Bay, Poplar Island to Sharps Island)—
Haddaway 76
Valliant 76
Poplar South 77
Great 77
Front 77
Wap 78
Southern M. E. Church 78
Black (*see also* Chart No. 36) 78
Sharps Island Light (*see also* Chart No. 36) 79
Jere (*see also* Chart No. 36) 79
Bar 79
M. E. Church 80
Avalon 80
Schoolhouse Cupola 81
Peoples Chapel 81
Narrows 81
Eagle 81

Landmarks (U. S. Coast and Geodetic Survey triangulation stations)—Continued.
Descriptions of triangulation stations in county and adjacent waters—Continued.
Chart No. 33 (Chesapeake Bay, Poplar Island to Sharps Island)—Continued. Page
Dun [illegible] 82
Hack [illegible] 82
Sand [illegible] 83
Bear [illegible] 83
Vine (*see also* Chart No. 34) [illegible] 83
Cha [illegible] Chart No. [illegible] 84
Dan [illegible] Chart No. [illegible] 84
Edw [illegible] 85
Wood [illegible] 85
Bell [illegible] 86
Hat [illegible] 86
Cha [illegible] Chart No. [illegible] 86
Cha [illegible] Chart No. [illegible] 87
Chart No. 34 (Choptank River and tributaries)—
Cha [illegible] Chart No. [illegible] 87
Dun [illegible] 87
Robe [illegible] 87
Cra [illegible] 88
Mark [illegible] 88
Hat [illegible] 88
Chur [illegible] 89
Lo [illegible] Chart No. [illegible] 89
End [illegible] Chart No. [illegible] 91
Red [illegible] Chart No. [illegible] 91
Otw [illegible] Chart No. [illegible] 75
Miller [illegible] 75
Pine [illegible] 90
Bozman [illegible] 90
Bozman M. E. Church Spire [illegible] 91
Root [illegible] 91
Fox [illegible] 91
Dan (*see also* Chart No. 33) [illegible] 91
Cha [illegible] Chart No. [illegible] 92
Nor [illegible] 92
Van [illegible] 92
Mar [illegible] 93
Cod [illegible] 93
Tilg [illegible] 93
Wire [illegible] 94
Plan [illegible] 94
Nod [illegible] 95
Gulls [illegible] 95
Fairbanks [illegible] 95
Pine [illegible] 96
Lan [illegible] 96
Cole [illegible] 97
Shipp [illegible] 97
Pedd [illegible] 97
Pass [illegible] 98
Grou [illegible] 98
Bonfield [illegible] 98

LANDMARKS (U. S. COAST AND GEODETIC SURVEY TRIANGULATION STATIONS)—Continued.
Descriptions of triangulation stations in county and adjacent waters)—Continued.
Chart No. 34 (Choptank River and tributaries)—Continued. Page.
Eastman ... 99
Woodill ... 99
Delta ... 10[illegible]
Marion ... 10[illegible]
Willis ... 100
Neptune ... 101
Venus ... 101
Mars ... 101
Royal ... 102
Grave ... 102
Ray ... 102
Willey ... 103
Judge ... 103
Thelma ... 104
Elmore ... 104
Beverly ... 104
Samuel ... 105
Ansley ... 105
Harper ... 106
Taft ... 106
Hopkins ... 106
Spencer ... 107
Marshall ... 107
Clark ... 108
Holly ... 108
Marsh ... 109
Cedar ... 109
Ross ... 109
Cook ... 110
Peary ... 110
Irish ... 111
Roys ... 111
Pont ... 112
Sticky ... 112
Vue ... 113
Ila ... 113
Creek ... 113
Benoni 2 ... 114
Mutton ... 114
Tred ... 115
Bellevue ... 115
Tar ... 116
Peck ... 116
Tall ... 116
Plain ... 116
Spin ... 117
Martin ... 117
Neva ... 118
Robertson ... 118
Stretch ... 119
May ... 119

LANDMARKS (U. S. COAST AND GEODETIC SURVEY TRIANGULATION STATIONS)—Continued.
Descriptions of triangulation stations in county and adjacent waters—Continued.
Chart No. 34—(Choptank River and tributaries)—Continued. Page

Peebee ... 119
Neck ... 120
Stab ... 120
Water ... 120
Radcliffe ... 121
Bateman ... 121
Melon ... 121
Gash ... 122
Camden ... 122
Blossom ... 123
Wall ... 123
Aye ... 123
Hunter ... 124
Weave ... 124
Twin ... 125
Toe ... 125
Trippe ... 125
Venture ... 126
Plum ... 126
Heather ... 127
All ... 127
Jam ... 127
Deux ... 128
Crack ... 128
Mistic ... 128
Layor ... 129
Borough ... 129
Golds ... 130
Mud ... 130
Town ... 131
Riverview (*see also* Chart No. 35) ... 131
Weather Bureau Staff (*see also* Chart No. 35) ... 131
First (*see also* Chart No. 35) ... 132
Bach (*see also* Chart No. 35) ... 132
Boone (*see also* Chart No. 35) ... 132
Enter (*see also* Chart No. 35) ... 133
Straw (*see also* Chart No. 35) ... 133
Delahay (*see also* Chart No. 35) ... 134
Kent (*see also* Chart No. 35) ... 134
Harry (*see also* Chart No. 35) ... 134
Charles (*see also* Chart No. 35) ... 135
[illegible] Chart No. [illegible] ... [illegible]
Ritter (*see also* Chart No. 35) ... 136
Show (*see also* Chart No. 35) ... 136
Kit (*see also* Chart No. 35) ... 136
Moke (*see also* Chart No. 35) ... 137
Poco (*see also* Chart No. 35) ... 137
Healey (*see also* Chart No. 35) ... 137
Maslin (*see also* Chart No. 35) ... 138
Mean (*see also* Chart No. 35) ... 138
Jay (*see also* Chart No. 35) ... 139

LANDMARKS (U. S. COAST AND GEODETIC SURVEY TRIANGULATION STATIONS)—Continued.
Descriptions of triangulation stations in county and adjacent waters—Continued.
Chart No. 34 (Choptank River and tributaries)—Continued. Page.
Berry (*see also* Chart No. 35) ... 139
Landeye (*see also* Chart No. 35) ... 139
Choptank River Light (*see also* Charts Nos. 35 and 37) ... 140
St. Michaels Water Tank (*see also* Chart No. 32) ... 140
St. Michaels P. E. Church Spire ... 72
Margo ... 140
Gibbs ... 141
Long ... 141
Beg ... 141
Search ... 142
Tug ... 142
Hunting ... 143
Spree ... 143
Whit ... 144
Dorrance ... 144
Tang ... 145
Johnson (*see also* Chart No. 32) ... 69
Henderson (*see also* Chart No. 32) ... 71
Bethel ... 145
Fig ... 145
Doctor ... 146
McConnell ... 146
Kirk ... 147
Ham ... 147
Comb ... 148
Hall ... 148
Barnett ... 149
Maiden ... 149
Stony ... 150
Chart No. 35 (Upper Choptank River)—
Riverview (*see also* Chart No. 34) ... 131
Weather Bureau Staff (*see also* Chart No. 34) ... 131
First (*see also* Chart No. 34) ... 132
Bach (*see also* Chart No. 34) ... 132
Boone (*see also* Chart No. 34) ... 132
Enter (*see also* Chart No. 34) ... 133
Straw (*see also* Chart No. 34) ... 133
Delahay (*see also* Chart No. 34) ... 134
Kent (*see also* Chart No. 34) ... 134
Harry (*see also* Chart No. 34) ... 134
Charles (*see also* Chart No. 34 ... 135
Potato (*see also* Chart No. 34) ... 135
Ritter (*see also* Chart No. 34) ... 136
Show (*see also* Chart No. 34) ... 136
Kit (*see also* Chart No. 34) ... 136
Moke (*see also* Chart No. 34) ... 137
Poco (*see also* Chart No. 34) ... 137
Healey (*see also* Chart No. 34) ... 137
Maslin (*see also* Chart No. 34) ... 138
Mean (*see also* Chart No. 34) ... 138
Jay (*see also* Chart No. 34) ... 139

LANDMARKS (U. S. COAST AND GEODETIC SURVEY TRIANGULATION STATIONS)—Continued.
Descriptions of triangulation stations in county and adjacent waters—Continued.
Chart No. 35 (Upper Choptank River)—Continued. Page
Cherry [illegible] Chart No. 34 139
Lambert [illegible] *also* Chart No. 34 139
Choptank River Light (*see also* Charts Nos. 34 and 37) 140
Chlora 150
Trappe 151
Lan 151
Rie 152
Inc 152
Gis 153
Grubin 153
Black Beacon 153
Howells 154
Red 154
Double 155
Boling 155
Bear 156
Channel 156
Barber 157
Intel 157
Lan 158
Spindle 158
Bank 158
Raccoon 159
Blind 159
Lig 159
Myrtle 160
Hut 160
House 161
Sav 161
Wick 161
War 162
Gander 162
Chief 163
Shell 163
Whitehall 164
Ferry 164
Shoal 165
E. Cambridge Tall Stack 165
E. Cambridge Spire 165
Cambridge Stand Pipe 165
Cambridge 165
Hambrooks Bar Beacon 166
Command 166
Dicks Water Tank 167
Howard 167
Town 167
Le Compte 168
Large Water Tank 168
Castle 168

LANDMARKS (U. S. COAST AND GEODETIC SURVEY TRIANGULATION STATIONS)—Continued.
Descriptions of triangulation stations in county and adjacent waters—Continued.
Chart No. 36 (Chesapeake Bay, vicinity of Little Choptank River)—
Sharps Island Light (*see also* Chart No. 33) ... 79
Jere (*see also* Chart No. 33) ... 79
Black (*see also* Chart No. 33) ... 78
Chef (*see also* Charts Nos. 33 and 37) ... 87
Cook Point Windmill (*see also* Chart No. 37) ... 169
Brannock (*see also* Chart No. 37) ... 170
Robins (*see also* Chart No. 37) ... 169
James (Little Choptank River) (*see also* Chart No. 37) ... 170
Chart No. 37 (Little Choptank River and tributaries)—
Choptank River Light (*see also* Charts Nos. 34 and 35) ... 140
Corner (Choptank River) ... 170
Dot ... 171
Chef (*see also* Charts Nos. 33 and 36) ... 87
Cook Point Windmill (*see also* Chart No. 36) ... 169
Brannock (*see also* Chart No. 36) ... 170
Robins (*see also* Chart No. 36) ... 169
James (Little Choptank River) (*see also* Chart No. 36) ... 170
BOUNDARIES OF OYSTER BARS:
Explanation ... 172
Method of describing boundaries ... 173
Surveying methods for relocation of boundaries ... 174
Boundaries of natural oyster bars in county [1] —
Chart No. 31 (entrance to Eastern Bay and vicinity)—
Poplar Island (*see also* Chart No. 32) ... 177
Lows Point (*see also* Chart No. 33) ... 178
Marys Delight ... 178
Wades Point ... 179
Sedge Marsh ... 179
Rich Neck ... 180
Tilghmans Point (*see also* Chart No. 32) ... 180
Upper Harris Creek (*see also* Charts Nos. 32 and 34) ... 181
Chart No. 32 (Eastern Bay and tributaries)—
Tilghmans Point (*see also* Chart No. 31) ... 180
Upper Hill ... 181
Aldridges Discovery ... 182
Horseshoe ... 182
Turtle Back ... 182
Sea Turtle ... 183
Bozman Neck ... 183
Hambleton Hill ... 184
West End ... 184
Hambleton ... 185
Tidemill ... 185
Scotland ... 186
Deep Water Point ... 186
Ash Craft ... 187
Second Point (*see also* Chart No. 34) ... 187
Wild Ground ... 188
Sycamore ... 188
East End ... 189

[1] See separate publications for boundaries of natural bars in adjacent counties.

BOUNDARIES OF OYSTER BARS—Continued.
Boundaries of natural oyster bars in county—Continued.
Chart No. 32 (Eastern Bay and tributaries)—Continued. Page
Herring Island . . . 189
Wye Town . . . 190
Bruffs Island . . . 190
Shaw Bay Hill . . . 191
Race Horse (Talbot County) . . . 191
Winders Bank . . . 192
Poplar Point . . . 192
Juniper . . . 193
Upper Harris Creek (*see also* Charts Nos. 31 and 34) . . . 181
Chart No. 33 (Chesapeake Bay, Poplar Island to Sharps Island)—
Poplar Island (*see also* Chart No. 31) . . . 177
Lows Point (*see also* Chart No. 31) . . . 178
Poplar Island Narrows . . . 193
Bay Hundred . . . 194
Pone . . . 195
Stone (*see also* Chart No. 36) . . . 195
Clay Bank (*see also* Chart No. 36) . . . 196
Sharps (*see also* Charts Nos. 36 and 37) . . . 196
Black Walnut (*see also* Charts Nos. 36 and 37) . . . 197
Sands . . . 197
Pleasant Hill (*see also* Charts Nos. 34 and 36) . . . 198
Church Hill (*see also* Chart No. 34) . . . 198
Wild Cherry Tree . . . 199
Turnrow (*see also* Chart No. 34) . . . 199
Tilghman Wharf . . . 200
Change . . . 200
Eagle Point . . . 201
Turkey Neck . . . 201
Mill Point . . . 202
Hunts . . . 202
Seths Point . . . 203
Lodges . . . 203
Walnut . . . 204
Smith Point . . . 204
Little Neck (*see also* Chart No. 34) . . . 205
Chart No. 34 (Choptank River and tributaries)—
Little Neck (*see also* Chart No. 33) . . . 205
Rabbit Island . . . 205
Upper Harris Creek (*see also* Charts Nos. 31 and 32) . . . 181
Pleasant Hill (*see also* Charts Nos. 33 and 36) . . . 198
Dawson . . . 206
Church Hill (*see also* Chart No. 33) . . . 198
France . . . 206
Great Marsh . . . 207
Turnrow (*see also* Chart No. 33) . . . 199
Long Point Woods . . . 207
Great Bar . . . 208
Brown . . . 208
Deep Neck . . . 209
Mulberry Point . . . 209
Broad Creek Middleground . . . 210

BOUNDARIES OF OYSTER BARS—Continued.
Boundaries of natural oyster bars in county—Continued.
Chart No. 34 (Choptank River and tributaries)—Continued. Page
Well Point 210
Pompes 211
Coopers Point 211
Judys Point 212
Brushy Point 212
Willeys Island Flats 212
Holland Point 213
Harrison 214
Cedar Point 214
Drum Point 214
Joe Harris Flats 215
Pin Cushion 215
Willeys Island 216
Fox 216
Royston 217
Irish Creek 217
Choptank Lumps (*see also* Chart No. 37) 218
Benoni (*see also* Chart No. 37) 219
Light House (*see also* Charts Nos. 35 and 37) 219
Back Shore (*see also* Charts Nos. 35 and 37) 220
Bachelor Point (*see also* Chart No. 35) 220
Fox Hole 221
Stone Church (*see also* Chart No. 35) 221
Town Point 222
Stewart Island 222
Goose Neck 223
Pecks Point 223
Mares Point 224
Louis Cove 224
Bamings Cove 225
Old House Point 225
Trippe 226
Bakers Cove 226
Marshy 227
Flatty 227
Orem 228
Double Mills 228
Johnston 229
Camden Point 229
Watermelon Point 229
Hopkins (*see also* Chart No. 35) 230
Willis (*see also* Chart No. 35) 230
Island Creek (*see also* Chart No. 35) 231
Matthews (*see also* Chart No. 35) 232
Second Point (*see also* Chart No. 32) 187
Old Orchard 232
Gibsons Flats 233
Bazzles Hill 233
Long Point 234
Barnett 234
Cox 235

BOUNDARIES OF OYSTER BARS—Continued.
Boundaries of natural oyster bars in county—Continued.
Chart No. 35 (Upper Choptank River)— Page.
Stone Church (*see also* Chart No. 34) 221
Bachelor Point (*see also* Chart No. 34) 220
Light House (*see also* Charts Nos. 34 and 37) 219
Back Shore (*see also* Charts Nos. 34 and 37) 220
Hopkins (*see also* Chart No. 34) 230
Willis (*see also* Chart No. 34) 230
Island Creek (*see also* Chart No. 34) 231
Matthews (*see also* Chart No. 34) 232
Chlora Point 235
Beacons 236
La Trappe 236
Howells Point 237
Dickinson 238
Kirby 238
Scraping Line 239
Bolingbroke Sand 239
The Black Buoy 239
Sugar Loaf 240
Chancellor Point 240
British Harbour 241
Goose Point 241
Mill Dam 242
Jamaica Point 242
Spar Buoy 242
Chart No. 36 (Chesapeake Bay, vicinity of Little Choptank River)—
Clay Bank (*see also* Chart No. 33) 196
Sharps (*see also* Charts Nos. 33 and 37) 196
Stone (*see also* Chart No. 33) 195
Black Walnut (*see also* Charts Nos. 33 and 37) 197
Chart No. 37 (Little Choptank River and tributaries)—
Sharps (*see also* Charts Nos. 33 and 36) 196
Black Walnut (*see also* Charts Nos. 33 and 36) 197
Choptank Lumps (*see also* Chart No. 34) 218
Benoni (*see also* Chart No. 34) 219
Light House (*see also* Charts Nos. 34 and 35) 219
Back Shore (*see also* Charts Nos. 34 and 35) 220
APPENDIXES:
Appendix A.—Laws relating to the cooperation of the Coast and Geodetic Survey and Bureau of Fisheries with the Maryland Shell Fish Commission 243
Appendix B.—"The Haman Oyster Culture Law" (extract from Second Report of Shell Fish Commission 247
Appendix C.—Summary of the particular surveying operations which constitute an "oyster survey" as now being carried on in Maryland 248
Appendix D.—Statistics of results of the combined operations of the Government and State 250

SURVEY OF OYSTER BARS, TALBOT COUNTY, MD.

INTRODUCTION.

PUBLICATIONS.

The preparation of publications relating to the survey of the oyster bars of Maryland has been divided between the Government and the State in accordance with the laws [1] authorizing the work and the natural division of the surveying operations [2] of the cooperating forces.

The publications prepared and issued by the Government under the direction of the Superintendent of the Coast and Geodetic Survey consist of a series of charts and a technical report for each county surveyed.[3] The charts show all legal boundaries of oyster bars within the adopted boundaries of the waters opened up for leasing with each county, and the location of all landmarks (Coast and Geodetic Survey triangulation stations) used as a foundation for the delineation of these various boundaries. The technical report gives technical and legal descriptions of all oyster bar and other boundaries, and descriptions of all landmarks shown on the charts, and includes the report of the representative of the Coast and Geodetic Survey in charge of the work of that service in cooperation with the Bureau of Fisheries and the Maryland Shell Fish Commission. These charts and technical reports are prepared and certified for file with the courts and the Commission, as required by the laws of the State, and contain all information necessary to make a permanent record of the work of the Commission and the Government for all future requirements of the courts, or for any resurveys that may become necessary.[4]

The publications prepared and issued by the State under the direction of the Shell Fish Commission consist of annual reports [5] of all the operations of the Commission performed under the provisions of the laws of Maryland,[6] including results of biological

[1] See Appendix A for laws relating to the cooperation of the Coast and Geodetic Survey and Bureau of Fisheries with the Maryland Shell Fish Commission.

[2] See Appendix C for a summary of the particular surveying operations which constitute an "oyster survey" as now being carried on in Maryland.

[3] These charts and technical reports can be obtained by application to the Superintendent of the Coast and Geodetic Survey at Washington, D. C. The publications now ready for issue are those for Anne Arundel, Somerset, Wicomico, Worcester, Calvert, Charles, St. Marys, Baltimore, Kent, Queen Annes, and Talbot Counties.

[4] The technical records and charts for each county are published separately on account of the requirements of the oyster-culture laws of the State and the practical considerations which make it desirable to have each county "opened up" for oyster culture as soon as practicable after the completion of its survey. For these reasons and the fact that these reports are each arranged for distribution and use in one county only without reference to other published records, much of the text of this publication is of necessity identical with similar previous publications for other counties.

[5] These reports can be obtained by application to the Shell Fish Commission, Marine Bank Building, Baltimore, Md. They are issued annually in October, and the first, second, third, and fourth reports are now available for distribution.

[6] See Appendix B for an extract from the "Second Report of the Maryland Shell Fish Commission," giving a concise summary of the "Haman oyster-culture law."

and economic oyster investigations, methods and results of the hydrographic survey of the boundaries of oyster bars and crab bottoms, the administrative report and financial statement of the Commission, information relating to oyster culture, methods of surveying and leasing of oyster lots, and much other important matter of legal and scientific value.

These two sets of publications are planned and arranged to supplement each other without unnecessary duplication, and when combined they form a complete report of operations, methods, and results of the work of both the Government and State.[1]

COOPERATION OF THE COAST AND GEODETIC SURVEY.

The work of the Coast and Geodetic Survey, as the name of the service indicates, includes a survey of the coasts of the United States made on a geodetic basis. This has involved the gradual construction of a great framework of interstate triangulation for use as a foundation for detail hydrographic and topographic surveys, from which there has been compiled and published a complete set of charts of the coasts of the United States, including all waters of Maryland where oysters grow. This existing triangulation, hydrography, and topography is essential as a foundation for a correct and practical survey of natural oyster bars; and it being one of the fundamental functions of the Coast and Geodetic Survey to furnish such data, the cooperation of the Coast and Geodetic Survey with the Bureau of Fisheries and the Maryland Shell Fish Commission is a practical and natural development of Government work leading to the conservation and increase of the supply of food.

COOPERATION OF THE BUREAU OF FISHERIES.

The Bureau of Fisheries has cooperated with the Coast and Geodetic Survey and the Maryland Shell Fish Commission principally as an adviser in matters relating to the biological and economic survey of oyster bars and the methods to be employed for that purpose.[2] A steam launch, rowing boat, and certain apparatus have also been furnished.

The primary function of the Bureau of Fisheries is to increase the productiveness of marine and fresh waters by such measures as may be best suited to the purpose, and the services rendered in connection with the survey of the oyster bars of Maryland are strictly in line with the fundamental law under which it acts. In certain States other than Maryland similar work has been conducted by the bureau acting independently, the same ends being attained at greater expense to the Government.

GENERAL STATEMENT OF WORK OF COAST AND GEODETIC SURVEY.[3]

The results obtained from the work of the Coast and Geodetic Survey in cooperation with the Bureau of Fisheries and the Maryland Shell Fish Commission need very little other summary than is indicated by the published "Charts of Natural Oyster Bars" and the index of hydrographic projections and triangulation stations shown on the county progress maps attached to each report.

[1] See Appendix D of this publication for "Statistics of results of combined operations of the Government and State."

[2] Hon. George M. Bowers, Commissioner of Fisheries, has detailed for this service Dr. H. F. Moore, assistant, Bureau of Fisheries.

[3] For a detail statement of the very large amount of excellent oyster-survey work of the Maryland Shell Fish Commission see the "Annual Reports of the Maryland Shell Fish Commission."

The triangulation has been carried on in accordance with the standard methods of the Coast and Geodetic Survey, making this work and that of the "Descriptions of Triangulation Stations" of permanent value, not only to the State of Maryland in the survey of her oyster bars but also to the Government for any future work it may do in the regions covered by the oyster-survey operations.

The hydrographic projections and published charts are prepared with all the accuracy permitted by their large scale, especially as to the boundaries of the various shellfish bottoms in relation to landmarks, but this accuracy of location on the charts is further added to and permanently fixed by published technical descriptions which should minimize the probability of any future dispute as to either landmarks or boundaries.

Stated another way, and quoting from the report of the "Survey of Oyster Bars of Anne Arundel County":

> The geographic positions of the permanent landmarks and signals have been determined with the usual precision of a trigonometric survey, and their locations at all points necessary to provide ample foundation for the surveying and charting operations permitted great accuracy of definition and location for the natural oyster-bar and other boundaries established. At the same time the very important element of permanency of the positions of boundaries has been secured, as the relocation of geodetic positions can always be accomplished by a competent surveyor, even though the original landmarks and monuments have been washed away, as has been the fate of hundreds of such points established by the Coast and Geodetic Survey on the shores of the Chesapeake Bay during the last 65 years.

REPORT OF THE WORK OF THE COAST AND GEODETIC SURVEY IN TALBOT COUNTY.

INSTRUCTIONS.

The following letters, together with the laws[1] of the United States relating to the subject, constitute the "instructions" received by the chief of the Coast and Geodetic Survey party engaged on work in connection with the Maryland Shell Fish Commission. They are short and definite, but furnish ample authority and leeway for all legitimate development of the cooperation of the Government and the State in the survey of oyster bars. The "free hand" permitted by these orders, together with the aid and many valuable suggestions received from the officers of the survey at Washington, have proved very beneficial to the work and are greatly appreciated:

DEPARTMENT OF COMMERCE AND LABOR,
OFFICE OF THE SECRETARY,
Washington, June 2, 1906.

SIR: In reply to your letter of May 28, requesting me to designate officers of the Coast and Geodetic Survey and of the Bureau of Fisheries to cooperate with the State of Maryland in making survey of and locating the natural oyster beds, I have the honor to inform you that Mr. C. C. Yates will be designated to cooperate on the part of the Coast and Geodetic Survey as soon as Congress makes the provisions of the act effective by providing an appropriation for the purpose.

Respectfully,

LAWRENCE O. MURRAY, *Assistant Secretary.*

His Excellency Hon. EDWIN WARFIELD,
Governor of Maryland, Annapolis, Md.

DEPARTMENT OF COMMERCE AND LABOR,
COAST AND GEODETIC SURVEY,
Washington, July 3, 1906.

SIR: Upon the receipt of these instructions you will surrender the command, accounts, etc., of the steamer *Endeavor* to the Hydrographic Inspector * * *.

As soon as this transfer is completed you will enter upon the duties of Coast Survey representative on the Shell Fish Commission of Maryland.

You will consult the Commissioners, prepare a program of work, and submit estimates in the usual form.

You are authorized to come to Washington for consultation from time to time as may be necessary.

* * * * * * *

Very respectfully,

O. H. TITTMANN, *Superintendent.*

Capt. C. C. YATES,
U. S. C. & G. S. Steamer "Endeavor," Baltimore, Md.

[1] For these laws see Appendix A.

ORGANIZATION AND EQUIPMENT.

The personnel and occupation of the party of the Coast and Geodetic Survey have remained practically unchanged since the beginning of the "oyster survey." Besides the chief of party, it consists of the necessary triangulators, computers, draftsmen, and temporary employees required to carry on both the surveying operations in the field and the preparation for publication of oyster charts and technical records in the office at Washington.

The equipment for the work of the party has been ample and satisfactory. The large living and office quarters furnished the Government on the Maryland Shell Fish Commission house-boat *Oyster* have been very convenient for the work, besides facilitating efficient cooperation with the surveying and oyster investigation parties of the State. In addition to the accommodations on the *Oyster*, the Coast and Geodetic Survey party has had the constant use of the large launch *Inspector* and several other boats furnished by its own service, and the occasional use of the Bureau of Fisheries launch *Canvasback* [1] and the steamer *Governor McLane* [2] of the State Fishery Force.

The greater part of the equipment of instruments for the operations of both the Government and State has been furnished by the Coast and Geodetic Survey, and consists of all necessary theodolites, levels, sextants, drafting instruments, hydrometers, etc., required for all field and office work.

CHRONOLOGICAL STATEMENT OF WORK.

The field work of the Coast and Geodetic Survey in Talbot County [3] dates from July 6, 1909, when the Maryland Shell Fish Commission house-boat *Oyster* was towed by the State Fishery Force steamer *Governor McLane* to an anchorage in the northern part of Prospect Bay near the southern entrance to Kent Narrows. From this harbor as headquarters a few additional triangulation observations were made in Kent County, although the greater part of the work was confined to Talbot and Queen Annes Counties.

On July 22, 1909, the house-boat was moved to the vicinity of Rockhall, and all field work in Talbot County was discontinued until August 13, 1909, when the *Oyster* was shifted back to Eastern Bay side of Kent Narrows, where she remained only two weeks. During this period Governor Crothers and party visited the house-boat and thoroughly examined into the manner and methods of the work of the Maryland oyster survey.

On August 28, 1909, the *Oyster* was towed to Haddaway Cove in Talbot County, where she stayed for only three days on account of the exposed position of the anchorage.

On August 31, 1909, the *Oyster* changed her anchorage to the very snug harbor inside of Poplar Island, where she remained until all the open Chesapeake Bay work was practically completed as far south as Tilghmans Island. While at this anchorage, one subparty living on shore was engaged on triangulation in Harris Creek with hired boats and an extra party of hands.

[1] By courtesy of Dr. H. F. Moore, United States Bureau of Fisheries.

[2] By courtesy of Capt. James A. Turner, commanding.

[3] The field work of Talbot County was so intermixed with that of Queen Annes and Dorchester Counties that the chronological statement of the work in one of these counties necessarily includes a considerable part of the work of the other two counties.

On September 22, 1909, the house-boat was towed to Dun Cove in Harris Creek. From this anchorage the triangulation of Harris Creek, as well as a considerable part of Broad Creek, was completed.

On October 16, 1909, the house-boat was moved back to Eastern Bay and tied up at the railway wharf at Claiborne. From this point the triangulation of Eastern Bay and its northern tributaries west of Kent Narrows was practically completed.

On October 29, 1909, the *Oyster* was moved to an anchorage in Tilghmans Creek, which is a branch of the Miles River. The next day completed a month's field work, which was notable as far as triangulation was concerned, on account of the number of stations which were established, marked, described, and located by observations. This number was 108, which is considerably larger than any previous month's record. A good part of this work was carried on by subparty living on shore at Cambridge.

On December 1, 1909, the house-boat *Oyster* was moved from Tilghmans Creek, where she had been for over a month, to an anchorage off St. Michaels. From this harbor the remaining triangulation of Wye River and Miles River was practically completed.

On December 21, 1909, active field work in Talbot County for the calendar year was closed at St. Michaels, but a signal-building subparty continued field work from quarters on shore at Oxford for two days longer.

On December 24, 1909, the field season for the Government parties was officially closed, but the monthly employees remained on the house-boat at Baltimore preparing launches and boats for the winter. All officers were on leave from the 25th to 31st.

On January 3, 1910, which was the first working day of the year, the winter's office work commenced, and the repairs to launches and construction of triangulation monuments were taken up on the house-boat *Oyster* by the foreman and two men.

The office work, which consisted of the completion of records, revising descriptions of location of triangulation stations, triangulation computations, oyster-bar computations, preparation of manuscripts of technical publications, drafting and scaling boundaries of oyster bars, etc., continued without a break, except as noted in the following paragraph.

During the period covered by the winter's office work the Maryland Legislature was in session, and as the consideration of oyster legislation formed a very important and prominent part of its proceedings, considerable time of the chief of party and his officers was expended in gathering and imparting information requested by various State officials.

On March 14, 1910, a subparty was organized and put in the field to complete certain necessary details of triangulation in Talbot and Dorchester Counties. This party first went to St. Michaels, then to Cambridge, and finally to Oxford, where the main party on the house-boat was joined at the end of April.

On April 30, 1910, the house-boat *Oyster* was towed from Baltimore by the State steamer *McLane* to an anchorage in Tar Creek, near Bellevue. While at this harbor the house-boat was cleaned, painted, and generally overhauled for the season's work, and at the same time triangulation was being carried on to completion in Tred Avon River, Island Creek, and other tributaries of lower Choptank River.

On May 30, 1910, the house-boat shifted her anchorage to Tred Avon River off Oxford, where she remained until the practical completion of all the remaining triangulation and other oyster survey work in Talbot County except in the upper Choptank River.

On June 30, 1910, the *Oyster* was towed to an anchorage off Cambridge, and from this point the oyster survey work of Talbot County in upper Choptank River was carried on to completion, together with that of Dorchester County in the adjacent region.

On July 20, 1910, the house-boat *Oyster* was moved to the Patuxent River off Solomons Island, and no further field work was done in Talbot County except from June 20 to June 21, 1912, when a small party was put in the field to complete certain necessary details of triangulation in Talbot and Dorchester Counties.

The office work connected with the oyster survey of Talbot County, including the computation of geographic information and the drafting necessary for the preparation for publication of the oyster charts and the technical records of that county, was carried on intermittingly with the office work of other counties from the beginning of the field work in Talbot County on July 6, 1909, to the time of filing of the certified oyster charts and technical records in the archives of the Maryland Shell Fish Commission and with the clerk of the circuit court of Talbot County on July 20, 1912.

STATISTICS.[1]

Landmarks and triangulation signals erected	315
Monuments planted to mark triangulation stations	311
Triangulation stations occupied for observations of horizontal angles	308
Old triangulation stations recovered	30
New triangulation stations established	306
Total old and new triangulation stations marked and described	336
Linear miles of shore line covered by triangulation (approximate)	230
Square miles covered by triangulation (approximate)	240
Hydrographic projections prepared and completed as records of oyster boundaries	14
Triangles computed	672
Geographic positions computed	330
Corners of oyster boundaries established by computation	671
Back azimuths and distances computed from corners of boundaries to triangulation stations	2,013
Descriptions of triangulation stations prepared for publication	336
Descriptions of oyster boundaries prepared for publication	132
"Charts of Natural Oyster Bars" prepared for publication	7
Progress map prepared for publication	1

GENERAL REMARKS.

Before ending this report the representative of the Coast and Geodetic Survey wishes to renew his statement of appreciation of the courteous assistance received from various Government and State officials and others interested in the oyster industry of Maryland, especially to the following:

[1] These statistics only include field and office work directly performed by the party of the Coast and Geodetic Survey in connection with the oyster survey of this county, and do not include the many thousands of soundings and examinations of the character of the bottom made by the engineers of the Commission, which are of considerable value to the Coast and Geodetic Survey as hydrographic records for future use in connection with the preparation of new editions of charts of the waters of Maryland. See Appendix D of this publication for "Statistics of results of combined operations of the Government and the State."

To his colleague from the Department of Commerce and Labor, Dr. H. F. Moore, of the Bureau of Fisheries, whose well-known scientific knowledge of all matters relating to oysters has been of great value to the work.

To Mr. Walter J. Mitchell, chairman of the Maryland Shell Fish Commission, who, by his administrative ability in carrying out the complicated requirements of the oyster laws and by his unfailing tact, has made the cooperation of the various services engaged on the work both agreeable and effective.

To Dr. Caswell Grave, secretary of the Commission, who, as editor of the Commission's annual report and commissioner in charge of the biological and economic oyster investigations, has been brought into constant contact with the Government work and aided its operations in every way.

To Mr. Benjamin K. Green, treasurer of the Commission, who has looked after the equipment and commissary of the house-boat in such a way as to add greatly to the comfort and convenience of the party of the Coast and Geodetic Survey.

To Mr. Swepson Earle, hydrographic engineer to the Commission, whose knowledge of the work from former service in the Coast and Geodetic Survey has greatly facilitated his practical use of the technical data furnished by the Government.

And to the many others connected with the Commission or who as residents in the locality where the work was being carried on have greatly assisted by furnishing important information or willing services.

CHARTS AND MAPS.[1]

CHARTS OF NATURAL OYSTER BARS.

The charts of the natural oyster bars of Talbot County published by the Coast and Geodetic Survey from results of the surveys of the Government in cooperation with the Maryland Shell Fish Commission consist of seven sheets covering all the oyster-producing waters of that county. They are published on the large scale of 1 part in 20,000 (approximately $3\frac{1}{16}$ inches to a statute mile) and are constructed on polyconic projections; and all information shown on them is based on the United States standard datum of the Coast and Geodetic Survey.

These charts show all oyster bars and other boundaries established by the Commission, and are certified for the purpose of filing in the office of the clerk of the circuit court of Talbot County and in the office of the Maryland Shell Fish Commission, as required by the oyster laws of Maryland.

In addition to the oyster bar and other boundaries, the charts show the location and name of all landmarks (United States Coast and Geodetic Survey triangulation stations) used in making the survey, together with the hydrography and topography[2] necessary to make the technical definitions and delineations of boundaries readily understandable both by the people engaged in the oyster industry and the general public who may become interested through leasing of barren bottoms for oyster culture.

The names of the oyster bars are those used locally, as nearly as could be ascertained by the hydrographic engineer of the Commission. When there was no local name in common use, a name was selected from one of the prominent features of the vicinity. By the use of recognized names or those that would naturally suggest certain sections of water, it is believed that much confusion will be avoided in the location on the charts of the oyster bars, especially by those not familiar with the use of maps.

The corners of the oyster bars are numbered from 1 to the total number of corners in each area under consideration. Where boundaries adjoin, making one point a corner of two or more oyster bars, these points have two or more numbers, each number corresponding to the bar in which the figure is located. The numbers of the corners correspond with the technical and legal descriptions of this publication under the heading "Boundaries of natural oyster bars."

The landmarks and oyster bars have been grouped in the "Contents" of this publication in accordance with the charts upon which they are shown. To find a particular oyster bar or landmark which is only known by name, consult the "Contents" and

[1] These charts can be obtained by application to the Superintendent of the Coast and Geodetic Survey, at Washington, D. C.

[2] Much of the detail of the inshore topography was obtained from the excellent map of Talbot County, prepared and published by the Maryland Geological Survey under the direction of Dr. William Bullock Clark from surveys of the Maryland Geological Survey in cooperation with the United States Geological Survey.

the desired chart and general location will be indicated. To find the name of a bar or landmark which is only known by location, consult the progress map at the end of this publication for the number of the chart on which it is to be found, and then examine the known locality on the chart for the name of the bar or landmark in question.

The contours on the charts showing the depth of water at mean low tide have been taken from the hydrographic sheets of former work of the Coast and Geodetic Survey. Four curves were selected as being the most convenient for taking off from the original hydrographic sheets and the ones of greatest value to those interested in shell fish industries. The 1-fathom contour (6 feet) and the 5-fathom curve (30 feet) correspond in a general way to the inner and outer limits of all the oyster bars surveyed. The 3-fathom contour (18 feet) furnishes the curve of about the average depth of water on the oyster bars, and the 10-fathom contour (60 feet) serves in a general way to indicate the outer limits of probable oyster culture.

The boundaries of the waters within the "territorial limits of the county" and the boundaries of the "waters contiguous to the county" opened up for the leasing with Talbot County are plainly indicated on the charts. A full technical description of these boundaries is given in this publication under the heading "Boundaries of county waters."

The areas in acres of the oyster bars were determined under the direction of the hydrographic engineer of the Commission by two independent planimeter measurements of the areas as delineated on the smooth projections of the Coast and Geodetic Survey. These areas are given in small figures in parentheses on the face of the chart within the boundaries of the different shell fish bottoms.

The symbols used on the charts for the different kinds of boundaries, triangulation stations, contours of depth of water, etc., require no other explanation than that given in the legend and other notes on the face of the charts.

LEASING CHARTS.

The leasing charts of Talbot County, like those for Anne Arundel, Somerset, Wicomico, Worcester, Calvert, Charles, St. Marys, Baltimore, Kent, and Queen Annes Counties, have been prepared under the direction of the hydrographic engineer of the Commission. They are constructed on polyconic projections on the scales of 1 part in 5,000 or 1 part in 10,000, as the needs of oyster culture may require, and the information shown on them is based on the United States standard datum of the Coast and Geodetic Survey.

These charts show all the oyster bars, crab bottoms, and clam beds and other boundaries established by the Commission, and also all boundaries of oyster lots leased for the purpose of oyster culture, thus making them comprehensive and valuable records of the results of the operations of the oyster-culture laws.

The lots leased under the provision of the "old 5-acre law" are frequently of irregular shape, but the lots leased under the provision of the new oyster laws must be of rectangular shape by the terms of that act. For this latter purpose the leasing charts have been divided by parallels of latitude and meridians of longitude into small rectangles of 1 acre or 5 acres, as may be best suited to the area under consideration, and

prospective leaseholders by the rules of the Commission are compelled to select whole rectangles as far as possible.

For reasons of the present changeable nature of the number of lots leased and the large number of charts required, the leasing charts are not likely to be published for some years, but they can be seen at any time on file at the offices of the Commission, in the Marine Bank Building at Baltimore.

PROJECTIONS.

The polyconic projections[1] covering Talbot County waters are 14 in number and on the scale of 1 part in 10,000. They were constructed by draftsmen of the Coast and Geodetic Survey, but the sextant positions which determine the location of the legal boundaries of the oyster bars as delineated by the Shell Fish Commission were plotted by the draftsman of the Commission.

A copy of each of these projections, with all the plotted positions of triangulation stations, shore line, sextant positions, and boundaries of oyster bars, was made under the direction of the hydrographic engineer of the Commission by pricking through with a sharp needle the intersections of the projection lines and all other points as plotted on the original sheets.

These projections (in duplicate) are the original records of all oyster bar and other boundaries established by the Commission, one set being filed in the archives of the Coast and Geodetic Survey, at Washington, and the other set in the archives of the Shell Fish Commission.

PROGRESS MAPS.

The progress map to be found at the end of this publication is on a scale of 1 part in 100,000, and shows in outline the work accomplished by the United States Coast and Geodetic Survey in Talbot County and contiguous waters. It gives the scheme of all the charts and smooth projections constructed in connection with the survey, the location and names of all triangulation stations used as a basis for the surveying work, and the "boundaries of county waters" established by the Commission for the purpose of carrying out the laws of Maryland relating to oyster culture.

Besides indicating the amount of work done by the Coast and Geodetic Survey in connection with the work of the Shell Fish Commission, this progress map will be of special value for index purposes to engineers and others searching for the particular chart or projection covering the locality of the oyster bars or landmarks that may be under consideration.

The progress maps[2] accompanying the first and second annual reports of the Maryland Shell Fish Commission were prepared under the direction of the hydrographic engineer of the Commission. They are on the scale of 1 part in 400,000, and show the outline of the tide-water counties of Maryland, with shaded areas to indicate the waters already covered by the operations of the oyster survey.

[1] For the scheme of these projections see the progress map at the end of this publication.

[2] These maps and reports can be obtained by application to Maryland Shell Fish Commission, Marine Bank Building, Baltimore, Md.

BOUNDARIES OF THE COUNTY WATERS.[1]

WATERS WITHIN TERRITORIAL LIMITS OF COUNTY.

The laws of Maryland relating to oyster culture provide that "no person shall be permitted, by lease, assignment, or in any other manner, to acquire a greater amount of land than ten acres situated within the territorial limits of any of the counties, or one hundred acres in any other place."

The boundary line[2] between the waters "within the territorial limits" of Talbot County and the waters in "any other place," as established by the Shell Fish Commission for the purpose of carrying out the oyster laws, and delineated on the "oyster" charts and the smooth projections of the Coast and Geodetic Survey, is technically described and defined as follows:

Commencing at the head of the oyster-producing waters of Wye River on the channel boundary line between Talbot County and Queen Annes County; thence following the channel boundary line between Talbot County and Queen Annes County down the upper Wye River to a point situated in the vicinity of the eastern end of Wye Island; thence continuing down the channel of the branch of Wye River running south of Wye Island along the boundary line between Talbot County and Queen Annes County, as laid down on "Chart No. 32, Natural Oyster Bars, Maryland," to the mouth of Wye River; thence continuing along the boundary line between Talbot County and Queen Annes County, as laid down on "Chart No. 32, Natural Oyster Bars, Maryland," passing into Miles River in a curved line about half way between Herring Island and Bennett Point and then down Miles River to a point situated about 1½ miles northeast of Tilghmans Point in the Eastern Bay entrance of Miles River; thence continuing on the boundary line between Talbot County and Queen Annes County in Eastern Bay as laid down on "Charts Nos. 31 and 32, Natural Oyster Bars, Maryland," to a point situated in the Chesapeake Bay entrance of Eastern Bay defined by the intersection of the boundary line between Talbot County and Queen Annes County and a straight line between a point on Kent Point on the southern extremity of Kent Island defined by[3] latitude 38° 50′ 05.1″ and longitude 76° 22′ 06.2″ and a point situated on Wades Point on the eastern side of the entrance of Eastern Bay defined by latitude 38° 49′ 34.2″ and longitude 76° 18′ 04.5″; thence in a straight line across the eastern half of the Chesapeake Bay entrance of Eastern Bay to a point on Wades Point defined by latitude 38° 49′ 34.2″ and longitude 76° 18′ 04.5″; thence in a southerly direction along the mean low water line or across the mouth of all inlets less than 100 yards in width, as the case may be, of the eastern shore of Chesapeake Bay to a point situated on Lows Point defined by latitude 38° 46′ 33.4″ and longitude 76° 20′ 07.4″; thence in a straight line across the northern entrance of Poplar Island Narrows to a point situated on the northern end of Poplar Island defined by latitude 38° 46′ 42.8″ and longitude 76° 22′ 25.0″; thence along the mean low water line or across the mouth of all inlets less than 100 yards in width, as the case may be, of the western shore of

[1] For a complete historical and legal description of the boundaries of the counties of Maryland, the valuable publication entitled "The Counties of Maryland—Their Origin, Boundaries, and Election Districts," prepared by Dr. Edward B. Mathews and published by the Maryland Geological Survey under the direction of Dr. William Bullock Clark, superintendent, should be consulted, as the boundaries described in this publication have been established and technically defined for the purpose of carrying out the oyster laws of the State, and may or may not be correct for other purposes.

[2] See "Charts of Natural Oyster Bars," published by the Coast and Geodetic Survey, and the progress map at the end of this publication.

[3] Latitudes and longitudes based on the United States standard datum of the United States Coast and Geodetic Survey.

Poplar Island to a point situated on the southern end of the main part of Poplar Island defined by latitude 38° 45′ 17.5″ and longitude 76° 22′ 43.6″; thence in a straight line across an inlet into Poplar Island Harbor to a point situated on the western extremity of the detached part of Poplar Island known as Coaches Neck defined by latitude 38° 45′ 08.8″ and longitude 76° 22′ 35.3″; thence along the mean low water line or across the mouth of all inlets less than 100 yards in width, as the case may be, of the western and southern shore of a detached part of Poplar Island known as Coaches Neck to a point situated on its eastern extremity defined by latitude 38° 44′ 59.4″ and longitude 76° 21′ 46.5″; thence in a straight line across the southern entrance of Poplar Island Narrows to a point situated on the mainland on Great Marsh Point defined by latitude 38° 44′ 56.0″ and longitude 76° 20′ 34.2″; thence in a southerly direction along the mean low water line or across the mouth of all inlets less than 100 yards in width, as the case may be, of the eastern shore of Chesapeake Bay to a point situated on the northern side of the entrance to Front Creek defined by latitude 38° 43′ 47.5″ and longitude 76° 20′ 34.0″; thence in a straight line across the Chesapeake Bay entrance of Front Creek and Knapps Narrows to a point situated on the southern side of Chesapeake Bay entrance of Knapps Narrows defined by latitude 38° 43′ 14.8″ and longitude 76° 20′ 27.6″; thence in a southerly direction along the mean low water line or across the mouth of all inlets less than 100 yards in width, as the case may be, of the eastern shore of Chesapeake Bay to a point situated on Blackwalnut Point on the northwestern side of the Chesapeake Bay entrance of lower Choptank River defined by latitude 38° 40′ 06.6″ and longitude 76° 20′ 24.7″; thence in a straight line ending at a point situated on Cook Point on the southeastern side of the Chesapeake Bay entrance of lower Choptank River defined by latitude 38° 37′ 55.7″ and longitude 76° 17′ 28.7″ to a point on this line defined by its intersection with boundary line in lower Choptank River between Talbot County and Dorchester County as laid down on "Charts Nos. 33, 36, and 37, Natural Oyster Bars, Maryland;" thence along the boundary line in lower Choptank River between Talbot County and Dorchester County as laid down on "Charts Nos. 33, 34, 36, and 37, Natural Oyster Bars, Maryland," to the entrance of upper Choptank River between Castle Haven Point and Island Creek; thence continuing along the boundary line between Talbot County and Dorchester County up the channel of upper Choptank River pass the city of Cambridge around Chancellors Point and pass the town of Choptank, all as laid down on "Chart No. 35, Natural Oyster Bars, Maryland;" thence continuing up the channel boundary line of upper Choptank River between Talbot County and Dorchester County to the head of the oyster-producing waters.

WATERS CONTIGUOUS TO COUNTY.

The oyster laws of Maryland provide that a true and accurate delineation of all natural oyster bars shall be made on copies of charts of the United States Coast and Geodetic Survey, "which said copies shall be filed in the office of the said commissioners in the city of Baltimore," and "in the office of the clerks of the circuit courts for the respective counties wherein the grounds so designated may lie."

For the purpose of carrying out the latter part of this section of the law and for the purpose of establishing the limits of the oyster-culture area to be opened up for leasing with each county surveyed, it is necessary for the Shell Fish Commission to establish a boundary line between the waters contiguous to but not within the territorial limits of each county and the waters contiguous to but not within the territorial limits of adjacent counties.

This boundary line has been delineated on the "Charts of Natural Oyster Bars," published by the Coast and Geodetic Survey, and is technically described and defined as follows:

Commencing at a point in the Chesapeake Bay entrance of Eastern Bay defined by the intersection of the boundary line between Talbot County and Queen Annes County, as laid down on "Chart No. 31, Natural Oyster Bars, Maryland," with a straight line across the Chesapeake Bay entrance of Eastern Bay,

defined at its western end by a point situated on the southern extremity of Kent Island in latitude 38° 50′ 05.1″ and longitude 76° 22′ 06. 2″ and defined at its eastern end by a point situated on Wades Point on the eastern side of the entrance of Eastern Bay in latitude 38° 49′ 34.2″ and longitude 76° 18′ 04.5″; thence along the boundary line between Talbot County and Queen Annes County, passing into Chesapeake Bay between Kent Island and Poplar Island, as laid down on "Chart No. 31, Natural Oyster Bars, Maryland," to a point situated in Chesapeake Bay about 3½ miles southwest of Bloody Point Bar Light defined by latitude 38° 46′ 06.6″ and longitude 76° 26′ 37.1″; thence in a straight line in a southerly direction with Chesapeake Bay to a point situated in Chesapeake Bay about 3⅝ miles east of Hog Point and 5⅜ miles southwest of Poplar Island, defined by latitude 38° 42′ 33.4″ and longitude 76° 27′ 40.0″; thence in a straight line in a southerly direction with Chesapeake Bay to a point situated in Chesapeake Bay about 5½ miles southwest of Sharps Island Light and 5¾ miles northwest of James Island, defined by latitude 38° 34′ 29.6″ and longitude 75° 26′ 17.0″; thence along the boundary line between Talbot County and Dorchester County, passing south of Sharps Island into the Chesapeake Bay entrance of the lower Choptank River, as laid down on "Charts Nos. 33, 36, and 37, Natural Oyster Bars, Maryland," to a point defined by the intersection of this boundary line with a straight line across the entrance of lower Choptank River, defined at its northwestern end by a point situated on Blackwalnut Point in latitude 38° 40′ 06.6″ and longitude 76° 20′ 24.7″ and defined at its southeastern end by a point situated on Cook Point in latitude 38° 37′ 55.7″ and longitude 76° 17′ 28.7″.[1]

[1] Latitudes and longitudes based on the United States standard datum of the United States Coast and Geodetic Survey.

LANDMARKS (U. S. COAST AND GEODETIC SURVEY TRIANGULATION STATIONS).

EXPLANATION.

The oyster laws of Maryland authorizing the survey to be made by the Shell Fish Commission provide for "an accurate report of said survey, setting forth such a description of landmarks as may be necessary to enable the said board, or their successors, to find and ascertain the boundary lines of said natural oyster beds, bars, and rocks, as shown by delineation on the maps and charts." The law of the United States authorizing the cooperation of the Department of Commerce and Labor in the survey of natural oyster bars of Maryland provides for the erection of "such structures as may be necessary to mark the points of triangulation, so that the same may be used for such future work of the Coast and Geodetic Survey as the said bureau may be hereafter required to perform in prosecuting the Government coast survey of the navigable waters of the United States located within the State of Maryland."

Under the provisions of the sections of the laws stated above, the markings and descriptions of landmarks must be sufficient for the present and future needs of both the Government and the State. With this end in view, considerable work has been expended in erecting permanent monuments at the triangulation stations and in the proper description of their location.

An effort has been made to arrange the descriptions of location and character of landmarks in a uniform and logical manner. The descriptions start with the assumption that the individual seeking a landmark has only an indefinite idea of its location. They gradually proceed from description of the general locality of a landmark to the descriptions of its immediate surroundings. This is followed by specific details of the character of the center and reference marks and a "round" of reference angles and distances which in themselves frequently contain enough information to furnish an independent and reliable location of the triangulation station.

METHOD OF DESCRIBING TRIANGULATION STATIONS.

The separate descriptions of triangulation stations should not be used without reading the following explanation of the method of describing the triangulation stations, as it contains certain details that are common to all the landmarks described in this publication and which are omitted in the separate descriptions as being needless repetitions:

Name.—The title at the top of each separate description is the name by which the landmark or triangulation station is known and designated in all work and published oyster records or oyster charts of both the Government and State. The selection of the name is usually left to the triangulator establishing the station, and it may or may not have geographic or other significance in reference to the locality.

General locality.—Under this heading is given the general locality of the landmark in reference to well-known and prominent natural or artificial features, such as the nearest body of water, town, river, steamer wharf, well-defined point of land, church, or any other feature that is likely to remain both permanent and prominent.

This heading also covers a reference to the published chart or map which shows the location of the station most clearly. Nearly all the triangulation stations described in this publication are plainly indicated by name and a triangulation symbol on the published charts of oyster bars of Maryland. In this case they are referred to by serial number only, the words "charts of oyster bars of Maryland" being omitted to avoid needless repetition. These published oyster charts are on the large scale of 1 part in 20,000 (approximately $3\frac{1}{6}$ inches to a statute mile) and show the locations of the triangulation stations so clearly that in many cases the written descriptions will not be required to find them.

Immediate locality.—Under this heading is given the description of the "observed station" in reference to its immediate surroundings. This is supposed to include a statement of the station's estimated elevation above high water or some other well-defined level of the locality, such as a road or house; the character of the ground on which it is located, such as marsh land, sand beach, cultivated field, or meadow; estimated bearings in points of the compass and estimated distances in yards *from* (*not to*) easily recognized features, such as extreme end of point, edge of bluff, bank of creek, line of telephone poles, shore line, barn, house, fence, ditch, trees, or any other definite detail, such as being on range with the tangent of an island and a church, etc.

When a standard monument has been established near the station as a "reference station," this heading also covers a statement of the true bearing of the monument in degrees and minutes and its measured distance in meters, as it is the first object that is likely to catch the eye when the immediate vicinity of the desired station is reached and might be mistaken for the center mark of the "observed station" unless special attention is called to it.

The distinction between the "observed station" and "reference station" should be carefully noted by anyone making use of the description of stations for any future surveying operations.

The "observed station" is located at the particular triangulation point covered by the description of stations, and is the one whose geographic position is first computed, as it is the point which was "occupied" and "observed on" for horizontal angles. However, in spite of the primary importance of the location of the "observed station," it will be noted from the description of stations that frequently it is not marked as well as the "reference station," and in some instances has only a pine stub to indicate its position. This is the case for the reason that the necessity of intervisibility of landmarks usually made it compulsory to locate "observed stations" on edges of banks and ends of points of land, which in the tide-water section of Maryland generally means they will be washed away in a short period of years. The past experience of the Coast and Geodetic Survey in this region has shown the great need of "reference stations," if the frequent reestablishment of a new framework of triangulation is to be avoided.

The chief reason and need for the establishment of the "reference station," or secondary station, as it might be well named, is explained in the preceding paragraph,

but in several instances other reasons, such as the location of the "observed station" on an unstable sand dune, in a cultivated field, in front of a residence, or other places objectionable to the landowner, have led to establishment of "reference stations." The location of the "reference station" in relation to the "observed station" is fixed for plotting on charts or for computation of its geographic position by checked measurements of its distances and azimuth from the "observed station." [1]

Marks.—Under this heading is given a description of the character of the permanent monuments or other marks of the location of the "observed station," and of the "reference station" where one has been established.

All the marks designated in the descriptions as "the center point of triangle on standard cement monument" are exactly alike. These monuments are made of cement, sand, and gravel, and are 2 feet long and 8 inches square at top and bottom. Their tops are all marked with the same brass mold and show a center hole surrounded by a triangle, with the letters "M. S. F. C." arranged around the vertex and the letters "U. S. C. S." underneath the base of the triangle. The center hole is always in the center of the top of the monument by construction, and if this is found to have been broken off without disturbing the bottom, the center of its square section can be used as the location of the station.

All the "standard cement monuments," whether used for marking the "observed station" or "reference station," have been planted upright in exactly the same manner, with their tops projecting 3 or 4 inches above the surface of the ground, unless otherwise stated.

Therefore, as the above facts in reference to the "standard cement monuments" are a constant element in all cases, the repetition of these facts in the description of stations is made needless by this one statement.

References.—Under this heading are given the "rounds" of directions and distances to all objects that might be useful in locating the stations when the surface marks can not be found. It is also contemplated that for general purposes of topography, hydrography, or location of boundaries of oyster bars these references will be sufficient in many cases to relocate the position of an "observed station" or "reference station" when both of them have been destroyed.

The first reference object given in the descriptions is always a triangulation station visible from the station being described, this, if possible, being a lighthouse, church spire, or other permanent and prominent point. Its direction is taken as being 0° 00′ 00,″ and the directions of all other objects are measured from it as an initial point, the angles being taken in a clockwise direction (left to right).

The true bearing [2] of the initial object is always given in parentheses alongside its name. This furnishes means for the calculation of the bearings of any of the other reference objects for the purposes of locating a station by horizontal angles or for the relocation of corner buoys of oyster-bar boundaries by the method of compass directions described in this publication under the heading of "Boundaries of oyster bars."

[1] Geographic coordinates (latitude, longitude, distance, and azimuth) relating to any of the "observed stations" or of the "reference stations" described in this publication can be obtained by application to the Superintendent of the Coast and Geodetic Survey, at Washington, D. C.

[2] The mean magnetic variation for Talbot County was 6° 10′ west of north in 1911 and increasing at the rate of 5′ yearly.

The distances in the last column under "References" are given in three different units, which vary according to their accuracy. The "miles" are statute miles, and may be considered only as rough estimates. The "yards" are more accurate, but must be looked on as results generally obtained by pacing or careful estimating. The "meters," however, are accurate to the degree indicated by their decimals and in every case have been measured with a steel tape. In the same manner, the accuracy of the directions are indicated by the refinement of angular measure with which they are recorded.

THOMAS POINT SHOAL LIGHT.

General locality.—Western side of Chesapeake Bay offshore about 1¼ miles southeast of Thomas Point and 3 miles south of entrance to channel to Annapolis. (See Chart No. 31.)

Immediate locality.—Observed station is on a hexagonal screw-pile structure known as Thomas Point Shoal Lighthouse.

Marks.—Observed station is center point of lantern on Thomas Point Shoal Lighthouse.

References—

	°	′	″	
"Thomas 3" (N 56° 07′ W)	0	00	00	1¼ miles.

BLOODY POINT BAR LIGHT.

General locality.—Offshore of southwestern end of Kent Island on northern side of entrance to Eastern Bay about 1⅛ miles southwest of Bloody Point and 1¼ miles west of Kent Point. (See Chart No. 31.)

Immediate locality.—Observed station is on tower on caisson structure known as Bloody Point Bar Lighthouse.

Marks.—Observed station is center point of lantern on Bloody Point Bar Lighthouse.

References.—

	°	′	″	
"Valiant" (S 4° 59′ E)	0	00	00	4½ miles.

TENK.

General locality.—Northern side of entrance to Eastern Bay on Kent Point about 1½ miles east of Bloody Point Bar Light. (See Chart No. 31.)

Immediate locality.—Observed station is in about 2 feet of water 18 yards offshore of Kent Point, 50 yards southwest of point of land, and 65 yards south-southeast of another point of land. Cement monument marking reference station is 35.94 meters N 36° 15′ W of observed station.

Marks.—Observed station is nail in center of 3-inch square stub in water with top about on level with high water. Reference station is center point of triangle on standard cement monument projecting 6 inches above surface of ground.

References.—

	°	′	″	
"Bloody Point Bar Light" (S 86° 34′ W)	0	00	00	1¼ miles.
Reference Station	57	11	30	35.94 meters.
Chimney of house on Tilghmans Point Farm	169	26	..	5⅞ miles.
"Rich Neck Water Tank"	175	48	10	5¼ miles.
Flagpole on Claiborne train shed	181	14	..	4½ miles.
Right chimney of house	188	34	..	4½ miles.
"Kemp Tower"	190	21	30	3⅞ miles.
Right chimney of brick house	206	17	..	3¾ miles.
Right chimney of house	240	12	..	4½ miles.
Chimney left of house among trees on Poplar Island	278	26	..	3¾ miles.

STRAIGHT.

General locality.—Northern shore of Eastern Bay on Long Point about 2¼ miles northeast of Kent Point, 2⅞ miles northwest of Wades Point and ⅛ mile northeast of entrance to Long Point Creek. (See Chart No. 31.)

Immediate locality.—Observed station is in a cultivated field about 8 feet above high water, 35 yards west of edge of bank, 45 yards northwest of edge of bank near a tree, 80 yards south-southwest of fence corner, 245 yards south-southeast of fence corner at gate, and 175 yards east-southeast of woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Needle" (N 48° 15′ E)	0	00	00	4⅛ miles.
Left tangent of Tilghmans Point	35	07	..	4⅝ miles.
Chimney of house on Tilghmans Point Farm	42	27	..	4⅛ miles.
"Kemp Tower"	83	46	00	2⅞ miles.
Nail in blaze in red oak tree (22 inches diameter)	113	59	00	31.06 meters.
Right tangent of woods on Poplar Island	155	30	..	5¾ miles.
Left tangent of woods on Kent Point	179	48	..	
South peak of building	264	18	..	½ mile.
East peak of barn	317	48	..	¾ mile.
South chimney of house	330	10	..	¼ mile.

MOUTH.

General locality.—Northern shore of Eastern Bay on eastern shore of Kent Island about 1¼ miles north of Long Point, 3⅝ miles northwest of Claiborne Wharf, and 3¼ miles southwest of Bodkin Island. (See Chart No. 31.)

Immediate locality.—Observed station is in a cultivated field about 8 feet above high water, 10 yards west of top of a bank with uniform slope to shore, 50 yards south of a small cove, and 20 yards south of a group of cedar trees near shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Matta" (N 5° 49′ W)	0	00	00	2¼ miles.
South gable of barn	26	41	..	4¼ miles.
West gable of house	33	35	..	2¼ miles.
Right tangent of woods on Turkey Point	50	25	..	3 miles.
"Parsons Island Water Tank"	66	43	..	5⅛ miles.
North gable of barn	74	49	..	6¼ miles.
Left tangent of woods on Tilghmans Point	103	05	..	4¼ miles.
South chimney of house on Tilghmans Point Farm	112	19	..	4 miles.
"Rich Neck Water Tank"	124	48	40	3⅞ miles.
South gable of Claiborne Wharf house	137	41	..	3½ miles.
"Kemp Tower"	154	09	..	3½ miles.
East chimney of Legg house	224	59	..	⅜ mile.
Chimney of small house	286	35	..	1¼ miles.
South gable of barn	342	46	..	1⅜ miles.

MATTA.

General locality.—Northern shore of Eastern Bay on eastern shore of Kent Island at western side of entrance to Shipping Creek about 2 miles west of Turkey Point. (See Chart No. 31.)

Immediate locality.—Observed station is in cultivated field about 15 feet above high water, 125 yards southwest of extreme end of point, 25 yards northwest of dry ditch, and 200 yards northwest of lone cedar tree near shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Batts" (N 67° 45′ E)	0	00	00	.....	1 mile.
North chimney of house	17	54	..	.....	2 miles.
Left tangent of woods on Tilghmans Point	54	30	..	.....	5⅜ miles.
North chimney of house on Tilghmans Point Farm	62	34	..	.....	5⅜ miles.
"Rich Neck Water Tank"	71	31	..	.....	5½ miles.
Left tangent of woods on Long Point	105	49	..	.....	2½ miles.
Chimney of Greeve house	124	53	..	.....	¼ mile.
South chimney of house	231	14	..	.....	¾ mile.
South cupola on barn	247	39	..	.....	⅞ mile.
East chimney of house	273	58	..	.....	1½ miles.
Chimney of small house	296	12	..	.....	1¼ miles.
West chimney of house	305	45	..	.....	1⅛ miles.

BATTS.

General locality.—Northern shore of Eastern Bay on southern end of Batts Neck between Shipping and Cox Creeks about 1¼ miles northwest of Turkey Point. (See Chart No. 31.)

Immediate locality.—Observed station is in cultivated field about 2 feet above high water, 21 yards north of shore, and 100 yards west of a wire fence extending 100 yards into bay.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument. Station "Coxes Creek," 1899, is 87.70 meters N 72° 20′ E of observed station and is marked by the center of a cross in the top of a granite post about 12 inches square in the rough and about 27 inches long projecting 5 inches above surface of ground. The top of the granite post is dressed to a 6-inch cube marked with a square cross and the letters U. S. Subsurface mark is center of neck of a bottle buried with top 3 inches below base of granite post.

References.—

	°	′	″		
"Turkey" (S 58° 24′ E)	0	00	00	.....	1¼ miles.
North chimney of house on Tilghmans Point Farm	19	25	..	.....	5 miles.
"Rich Neck Water Tank"	28	26	..	.....	5¼ miles.
Nail in blaze in one of twin persimmon trees (4 inches diameter)	37	36	40	.....	3.94 meters.
Left tangent of woods on Long Point	69	48	..	.....	3¼ miles.
East gable of house	76	30	..	.....	2½ miles.
Nail in blaze in persimmon tree (6 inches diameter)	91	13	50	.....	9.76 meters.
South chimney of house	202	08	..	.....	⅜ mile.
South chimney of house	242	32	..	.....	¾ mile.
South gable of barn	271	54	..	.....	1½ miles.
North chimney of house	293	22	..	.....	1⅜ miles.
"Coxes Creek, 1899" (granite post)	310	44	20	.....	87.70 meters.
North chimney of house	341	07	..	.....	1⅛ miles.

TURKEY.

General locality.—Northern shore of Eastern Bay on southern end of Cox Neck on Turkey Point about 1 mile west of the north end of Bodkin Island. (See Chart No. 31.)

Immediate locality.—Observed station is in marsh meadow about 2 feet above high water, 40 yards northeast of shore, 200 yards south of a group of three pine trees near shore, and in center of triangle formed by three pine stubs driven flush with marsh to support theodolite.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Mouth" (S 40° 32′ W)	0	00	00	2¾ miles.
Chimney of house	23	19	..	2¾ miles.
Chimney of Greeve house	49	14	..	2½ miles.
South cupola on barn	68	20	..	2¼ miles.
North chimney of house	72	30	..	2½ miles.
South chimney of house	103	39	..	1¾ miles.
South chimney of house	113	22	..	2½ miles.
West pine tree of group	132	12	..	200 yards.
Right tangent of Bodkin Island	254	46	..	1 mile.
Left tangent of Tilghmans Point	275	23	..	3½ miles.
North chimney of house on Tilghmans Point Farm	286	38	..	3¾ miles.
"Rich Neck Water Tank"	297	25	..	4¼ miles.
Left tangent of woods on Long Point	352	26	..	3 miles.

NEEDLE.

General locality.—Northern part of Eastern Bay on Bodkin Island at entrance to Crab Alley Bay about 1¼ miles west of the south end of Parsons Island and 1 mile east-southeast of Turkey Point. (See Chart No. 31.)

Immediate locality.—Observed station is near south end of Bodkin Island, about 12 feet above high water, 50 yards north by west of shore, 90 yards northeast by east of shore, 115 yards west-southwest of shore, and in center of radial lines of sight cut in bushes.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Straight" (S 48° 17′ W)	0	00	00	4⅛ miles.
Nail in blaze in pine tree (6 inches diameter)	5	51	30	22. 78 meters.
Nail in blaze in pine tree (8 inches diameter)	27	56	10	17. 17 meters.
Right chimney of large house	64	29	..	3½ miles.
Nail in blaze in pine tree (6 inches diameter)	82	06	50	11. 34 meters.
Chimney of house on Parsons Island	194	43	..	2⅛ miles.
Near chimney of Starr, large, brick house	262	54	..	6½ miles.
Cupola on left barn of Tilghmans Point Farm	289	40	..	3 miles.
Chimney of bungalow	324	57	..	5⅛ miles.
Nail in blaze in pine tree (7 inches diameter)	345	25	00	18. 20 meters.

COX.

General locality.—Western shore of Crab Alley Bay on Cox Neck about ⅜ mile north of Eastern Bay and 1 mile northwest of Bodkin Island. (See Chart No. 31.)

Immediate locality.—Observed station is at edge of a cultivated field on narrow neck of land about 3 feet above high water, 16 yards west of shore, 18 yards east of shore, and 80 yards northwest of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Tull" (N 12° 34′ E)	0	00	00	1⅝ miles.
Chimney of small house	12	54	..	2½ miles.
Chimney of house	21	19	..	2½ miles.
Cupola on barn	30	09	..	2¾ miles.
Right corner of old barn	49	27	..	2⅛ miles.
East chimney of large brick house	54	32	..	2⅛ miles.
Right tangent of Normans Point	61	40	..	2 miles.
North gable of barn on Parsons Island	79	50	..	2½ miles.
Left tangent of Bodkin Island	123	47	..	⅞ mile.
East gable of barn	227	02	..	⅜ mile.
Chimney of house	232	44	..	3 miles.
Chimney of house	255	50	..	2⅞ miles.

RICH NECK WATER TANK.

General locality.—On neck of land about halfway between Eastern Bay and Miles River about 1¾ miles south-southwest of Tilghmans Point. (See Charts Nos. 31 and 32.)

Immediate locality.—Observed station is on large water tank on steel tower on Rich Neck Farm.

Marks.—Observed station is spindle on center of water tank.

References.—

None necessary.

KEMP TOWER.

General locality.—Southern shore of Eastern Bay on Wades Point about 1 mile southwest of Claiborne Wharf and 5⅛ miles east of Bloody Point Bar Light. (See Chart No. 31.)

Immediate locality.—Observed station is on tower or cupola of Wades Point Hotel, which is a large, square, frame structure adjoining a brick house.

Marks.—Observed station is center of top of roof of cupola.

References.—

None necessary.

KEMP.

General locality.—Southern shore of Eastern Bay on Wades Point about 1⅜ miles southwest of Claiborne Wharf and 4⅞ miles east by south of Bloody Point Bar Light. (See Chart No. 31.)

Immediate locality.—Observed station is in cultivated land about 8 feet above high water, 30 yards east by north of a wire fence and several trees, 55 yards south-southeast of edge of bank, 90 yards east-northeast of a bungalow, 130 yards north by west of a wire and wood fence corner, 130 yards north-northwest of wooden fence, and 400 yards west by south of Wades Point Hotel.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Bloody Point Bar Light" (N 83° 37′ W)	0	00	00	4⅞ miles.
Nail in blaze in locust tree (14 inches diameter)	1	41	30	35.07 meters.
Left tangent of Kent Point	3	11	..	3⅝ miles.
Chimney on middle of house	17	12	..	3⅞ miles.
Left peak of barn	25	21	..	4¼ miles.
Chimney of house	31	04	..	3½ miles.
Left chimney of house	45	27	..	3 miles.
Peak of main part of house	63	15	..	5½ miles.

References—Continued.	°	′	″		
Left tangent of Tilghmans Point	128	06	..	.....	3½ miles.
"Dixon" (center of house)	130	07	50	.....	2⅞ miles.
"Kemp Tower"	139	06	40	.....	¼ mile.
Fence corner (wood and wire)	244	43	..	.....	132 yards.
Near corner of cook house	288	40	..	.....	110 yards.
Nail in blaze in locust tree (7 inches diameter)	300	20	20	.....	27.23 meters.
Right corner post of piazza	306	24	..	.....	90 yards.
Nail in blaze in cedar tree (6 inches diameter)	210	43	30	.....	26.97 meters.

END.

General locality.—Western shore of Harris Creek on southwestern side of entrance to Northwest Branch. (See Charts Nos. 31, 32, and 34.)

Immediate locality.—Observed station is in a cultivated field about 5 feet above high water, and 4 yards west of shore. Cement monument marking reference station is 14.76 meters S 83° 58′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 5 inches above surface of ground. Reference station is center point of triangle on standard cement monument projecting 3 inches above surface of ground.

References.—	°	′	″		
"Rod" (S 79° 51′ E)	0	00	00	.....	⅜ mile.
West gable of barn	11	40	..	.....	⅞ mile.
North chimney of Miller house	45	37	..	.....	1¼ miles.
REFERENCE STATION	163	48	20	.....	14.76 meters.
South gable of barn	208	51	..	.....	200 yards.
South chimney of Kirby house	218	48	..	.....	200 yards.
South chimney of house	259	20	..	.....	½ mile.
West gable of tin-roofed barn	262	00	..	.....	⅜ mile.
South chimney of Harrison house	345	20	..	.....	¾ mile.

LAWN.

General locality.—Western shore of upper Harris Creek about ½ mile south of junction of Northeast Branch and Northwest Branch. (See Charts Nos. 31, 32, and 34.)

Immediate locality.—Observed station is in northeast corner of a lawn about 5 feet above high water, 10 feet southwest of top of vertical bank washed by high water, and 16 yards northwest of bathhouse and wharf.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"End" (N 17° 03′ W)	0	00	00	.....	⅜ mile.
Nail in locust stump	24	10	..	.....	0.84 meter.
Cupola on barn	39	41	..	.....	2½ miles.
South chimney of Harrison house	54	34	..	.....	⅝ mile.
North chimney of house	95	46	..	.....	¾ mile.
North chimney of house	139	33	..	.....	1¼ miles.
North chimney of Miller house	143	27	..	.....	⅜ mile.
Nail in blaze in walnut tree (18 inches diameter)	199	25	40	.....	2.55 meters.
Nail in blaze in cherry tree (24 inches diameter)	264	30	30	.....	5.96 meters.

PARSONS.

General locality.—In northern side of Eastern Bay on western side of Parsons Island about 3 miles north of Tilghmans Point. (See Chart No. 32.)

Immediate locality.—Observed station is in cultivated land on highest part of island about 15 feet above high water, 110 yards southeast of shore, 270 yards south-southwest of Parsons Island water tank, 350 yards southwest of a house, 380 yards west-southwest of a large barn, 145 yards northeast of a wire fence, 155 yards northwest of wire fence at farm road, 195 yards southeast of a fence, and on the range of the west edge of the south chimney on the lower gable of the house with the west side of a window in the center of the south side of the house. Cement monument marking reference station is 26.10 meters N 21° 43′ E of observed station.

Marks.—Observed station is center of cross cut on rough granite stone about 35 inches long and 12 inches square with top cut to 6-inch cube and marked "U. S." in lower half of cross. Subsurface mark is the mouth of a bottle 3 inches below base of monument. Reference station is center point of triangle on standard cement monument with top 5 inches above the surface of the ground.

References.—

	°	′	″	
"Alley" (N 2° 12′ W)	0	00	00	1¼ miles.
Reference Station	23	55	30	26.10 meters.
"Parsons Island Water Tank"	24	04	20	268 yards.
Near peak of house	35	13	..	400 yards.
Right corner of barn	61	27	..	382 yards.
Walnut tree	148	17	..	300 yards.
Cupola of left barn of Tilghmans Point farm	192	07	..	3½ miles.
Right tangent of Claiborne train shed	202	57	..	5 miles.
Right end of woods on Poplar Island	220	27	..	12 miles.
Left tangent of Kent Point	234	23	..	8¼ miles.
Left chimney of house	297	57	..	3 miles.
Side peak of 2½-story house	314	35	..	3⅛ miles.
Middle chimney of large brick house	336	44	..	1¼ miles.
"New Barn Cupola"	349	10	..	2¼ miles.

PARSONS ISLAND WATER TANK.

General locality.—Northern part of Eastern Bay between Crab Alley and Prospect bays on Parsons Island about half way between the north and south end of the island. (See Chart No. 32.)

Immediate locality.—Observed station is on a water tank on wooden structure near a house.

Marks.—Observed station is center of spindle on center of water tank.

References.—

None necessary.

NORMAN.

General locality.—Eastern shore of Crab Alley Bay on southwestern extremity of Crab Alley Neck about ¼ mile west of Normans Point, 2 miles northeast of Turkey Point, and ⅞ mile northwest of Parsons Island. (See chart No. 32.)

Immediate locality.—Observed station is in a cultivated field on a rapidly washing, narrow neck of land, about 6 feet above high water, 20 yards north of vertical bank at shore, 30 yards south of vertical bank at shore, and 40 yards northeast of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Parsons" (S 38° 40′ E)	0	00	00	.....	1⅛ miles.
Right tangent of Parsons Island	16	46	..	.....	1¼ miles.
Left tangent of woods on Tilghmans Point	30	30	..	.....	4 miles.
Left tangent of woods on Bodkin Island	68	28	..	.....	2 miles.
Right tangent of Bodkin Island	78	39	..	.....	2 miles.
Right tangent of woods on Turkey Point	93	17	..	.....	2 miles.
Nail in blaze in hackberry tree (6 inches diameter)	112	42	30	.....	22.49 meters.
Chimney of small house	154	22	..	.....	1¾ miles.
East chimney of house	167	41	..	.....	2¼ miles.
South gable of house	205	38	..	.....	1 mile.
West chimney of large brick house	271	53	..	.....	¼ mile.
Chimney of small house	292	22	..	.....	3 miles.
"Parsons Island Water Tank"	353	41	40	.....	1 mile.

ALLEY.

General locality.—Western shore of Prospect Bay on Crab Alley Neck, about ¾ mile north of Parsons Island, and ⅜ mile north of Narrows Point. (See Chart No. 32.)

Immediate locality.—Observed station is on hard ground in a marsh at northeast end of clump of 12 persimmon trees about 1 foot above high water and 75 yards southwest of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Dull" (N 2° 35′ W)	0	00	00	.....	⅞ mile.
Near peak of "Fishermans Inn"	6	48	..	.....	3 miles.
Nail in blaze in persimmon tree (4 inches diameter)	30	41	20	.....	3.99 meters.
Left chimney of old house with two dormer windows	48	29	..	.....	2⅜ miles.
Left peak of barn	79	42	..	.....	2¾ miles.
Left chimney of large house	113	34	..	.....	2¾ miles.
"Parsons Island Water Tank"	177	35	30	.....	1⅛ miles.
Nail in blaze in persimmon tree (3 inches diameter)	194	56	00	.....	4. 88 meters.
Nail in blaze in persimmon tree (2½ inches diameter)	238	25	00	.....	3.70 meters.
East chimney of brick house	246	02	..	.....	½ mile.
Nail in blaze in persimmon tree (3 inches diameter	298	21	30	.....	3.29 meters.
Chimney of house among trees	317	54	..	.....	1½ miles.
"New Barn Cupola"	335	41	40	.....	1 mile.

BONNET.

General locality.—Eastern shore of Prospect Bay on Hood Point about 1½ miles southeast of Hog Island and ½ mile west of Piney Point. (See Chart No. 32.)

Immediate locality.—Observed station is on marsh ground about 1 foot above high water, 21 yards west of shore, 12 yards west of inlet, and 55 yards northeast of the extreme end of Hoods Point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"New Barn Cupola" (S 79° 29′ W)	0	00	00	1½ miles.
Chimney of house	24	11	..	1¼ miles.
East gable of barn	28	24	..	1¼ miles.
North chimney of house	64	04	..	2 miles.
South gable of barn	90	43	..	2⅛ miles.
Chimney on small house	137	57	..	⅝ mile.
West gable of house	199	06	..	1⅝ miles.
Chimney of small house	239	13	..	2½ miles.
Chimney of small house	258	39	..	4¾ miles.
South chimney of house on Kent Island	323	24	..	1¾ miles.
Cupola on barn	353	09	..	1¾ miles.

BRIAN REFERENCE STATION.

General locality.—Eastern shore of Prospect Bay on Brian Point, about 1 mile southeast of Piney Point, 2 miles northeast of Parsons Island, and ⅜ mile west of entrance to Hog Hole Creek. (See Chart No. 32.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 13 yards east of edge of marsh, 14 yards northwest of edge of marsh, 18 yards north of extreme end of point, and 40 yards southwest of a cultivated field.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground.

References.—	°	′	″	
"Green" (S 8° 55′ E)	0	00	00	2¾ miles.
Left tangent of woods on Bennett Point	4	55	..	4 miles.
Right tangent of woods on Parsons Island	65	33	..	2¼ miles.
Middle chimney of large brick house	84	37	..	2¼ miles.
Cupola of barn	102	34	..	2¾ miles.
"New Barn Cupola"	109	56	20	2½ miles.
Left peak of large house	112	08	..	2⅝ miles.
Near peak of house	282	47	..	½ mile.
Chimney of house	344	42	..	1¼ miles.

GREEN.

General locality.—Eastern shore of Prospect Bay on point at northern side of entrance to Greenwood Creek, about 3¼ miles northeast of Tilghmans Point, and 2¾ miles north of Bennett Point. (See Chart No. 32.)

Immediate locality.—Observed station is on a sanded marsh point about 2 feet above high water, 5 yards northwest of shore, 26 yards northeast of shore, 53 yards east by north of a point of shore, 37 yards southeast by east of a point of shore, and 105 yards south-southwest of a point of woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Benn" (S 0° 45′ W)	0	00	00	2¾ miles.
Cupola of barn	19	16	10	6 miles.
Right tangent of woods on Tilghmans Point	52	01	..	3⅜ miles.
"Parsons Island Water Tank"	115	03	50	2½ miles.
East chimney of brick house	124	42	..	3½ miles.
Peak of small house	155	05	..	4 miles.
Chimney outside of house	165	43	..	4 miles.
Near peak of barn	178	20	..	3 miles.
Peak of house	235	45	..	1 mile.
Chimney of house behind barn	316	01	..	⅜ mile.
Square chimney of house	345	41	..	1½ miles.

BENN.

General locality.—Eastern shore of Miles River on Bennett Point at western side of entrance to Wye River. (See Chart No. 32.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 75 yards northeast of extreme end of point, 100 yards southwest from edge of wood, and in center of triangle formed by three pine stubs driven flush with marsh to support theodolite.

Marks.—Observed station is center point of triangle on standard cement monument projecting 1 foot above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Hough" (N 57° 41′ E)	0	00	00	⅜ mile.
Cupola of barn	70	45	..	1 mile.
"Rich Neck Water Tank"	203	33	..	3¼ miles.
South chimney of house on Tilghmans Point Farm	215	59	..	3 miles.
"Parsons Island Water Tank"	271	55	..	4½ miles.
Right tangent of house	288	21	..	6⅝ miles.

HOUGH.

General locality.—Northwestern side of entrance to Wye River on a point about ⅜ mile northeast of Miles River and ½ mile southwest of north end of Bruffs Island. (See Chart No. 32.)

Immediate locality.—Observed station is on a grass point about 1 foot above high water, 16 yards north of shore, 22 yards south of shore, 15 yards west of extreme end of point, 11 yards east of small pool in marsh, and 200 yards east of woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Won" (N 9° 29′ E)	0	00	00	⅜ mile.
Near peak of building	7	22	..	2⅜ miles.
Right side of chimney of house	17	20	..	2⅞ miles.
Near peak of long barn	28	43	..	1¼ miles.
Piazza post of house in woods	62	14	..	½ mile.
Windmill	128	24	..	¾ mile.
Windmill	181	48	..	4¼ miles.
Tall, slender tree in woods	271	57	..	200 yards.
Black walnut tree	339	23	..	200 yards.

WON.

General locality.—Western shore of the branch of Wye River bounding Wye Island on the west about ½ mile northwest of northern end of Bruffs Island, and ¾ mile northeast of southern end of Bennett Point. (See Chart No. 32.)

Immediate locality.—Observed station is on small marsh point, about 1 foot above high water, 4 yards northwest of shore, 4 yards west of shore, 4 yards north of shore, and 40 yards southeast of large, lone, black walnut tree. Cement monument marking reference station is 22.80 meters S 15° 31′ W of observed station.

Marks.—Observed station is nail in center of 2-inch stub projecting 5 inches above 2-inch tile pipe with top flush with surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground.

References.—	°	′	″		
"Nose" (N 28° 05′ E)	0	00	00	.....	½ mile.
Near peak of large barn	23	20	..	.....	⅜ mile.
Side peak of roof of house	25	18	..	.....	⅜ mile.
Near peak of house	47	26	..	.....	1⅜ miles.
Left large chimney of house in woods	81	08	..	.....	½ mile.
Right corner of building on Bruffs Island	98	41	..	.....	½ mile.
Windmill	126	52	40	.....	1¼ miles.
Near peak of fisherman shanty	161	03	..	.....	100 yards.
REFERENCE STATION	167	25	50	.....	22.80 meters.
Nail in blaze in cedar tree (2 inches diameter)	210	23	00	.....	12.54 meters.
Nail in blaze in walnut tree (3 inches diameter)	262	30	10	.....	10.81 meters.
Nail in blaze in walnut tree (30 inches diameter)	290	06	10	.....	38.12 meters.
Right corner of right chimney of house	337	19	..	.....	½ mile.

NOSE.

General locality.—Western shore of the branch of Wye River bounding Wye Island on the west on a point about ⅝ mile north-northwest of Bruffs Island. (See Chart No. 32.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 4 yards southwest of shore, 6 yards north of shore, 14 yards west-northwest of extreme end of point, and 34 yards east of a row of locust trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Stop" (N 12° 09′ E)	0	00	00	.....	⅜ mile.
Church cross	1	55	..	.....	2 miles.
Chimney of cottage	3	03	..	.....	1⅜ miles.
Near peak of house	37	22	..	.....	⅝ mile.
Left peak of house	67	25	..	.....	½ mile.
Right corner of house on Bruffs Island	152	55	..	.....	¾ mile.
"St. Michaels P. E. Church Spire"	183	28	10	.....	5⅞ miles.
"St. Michaels Water Tank"	184	51	20	.....	5⅞ miles.
Nail in blaze in locust tree (8 inches diameter)	237	58	50	.....	34.45 meters.
Nail in blaze in locust tree (9 inches diameter)	256	32	10	.....	28.31 meters.
Near peak of large house between two chimneys	266	09	..	.....	¼ mile.
Nail in blaze in locust tree (7 inches diameter)	280	50	50	.....	31.44 meters.
Tangent of point	316	16	..	.....	100 yards.

SNOUT.

General locality.—On Wye Island on the eastern shore of the branch of Wye River, bounding Wye Island on the west about ¾ mile north of Bruffs Island and ¼ mile north of Bordley Point. (See Chart No. 32.)

Immediate locality.—Observed station is in cultivated land about 12 feet above high water, 30 yards east by south of edge of bank, 65 yards south of large cherry tree in side of bank at fence, 65 yards southwest of rail fence, 70 yards northeast of a small clump of trees at edge of bank, and 400 yards west by north of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"South" (S 20° 34′ E)	0	00	00	.....	½ mile.
Left peak of boat house	19	10	..	.....	⅞ mile.
"St. Michaels P. E. Church Spire"	38	07	30	.....	6¼ miles.
"St. Michaels Water Tank"	39	30	10	.....	6⅛ miles.
Nail in blaze in locust tree (10 inches diameter)	49	21	30	.....	64.78 meters.
Peak of house between two chimneys	99	02	..	.....	½ mile.
Near peak of small house	111	45	..	.....	½ mile.
Nail in blaze in tree (8 inches diameter)	179	42	10	.....	34.39 meters.
Near peak of barn	186	34	..	.....	1¼ miles.
Left corner of house	203	36	..	.....	1⅜ miles.
Nail in blaze in fence post	246	50	10	.....	63.29 meters.
Near peak of house	249	00	..	.....	¾ mile.
Left peak of house	296	41	50	.....	¼ mile.

SOUTH.

General locality.—On southwestern end of Wye Island on Bordley Point on the northern shore of the junction of the two branches of Wye River bounding Wye Island about ⅜ mile north-northeast of Bruffs Island. (See Chart No. 32.)

Immediate locality.—Observed station is in a pasture on a rounded point about 10 feet above high water, 11 yards northeast of edge of field, 13 yards north of edge of field, 22 yards northwest of edge of field, 30 yards southeast of cut in cliff, and 50 yards southwest of point of water bushes at gully.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Flat" (N 55° 27′ E)	0	00	00	.....	½ mile.
Right chimney of house	19	30	..	.....	1¼ miles.
Windmill	64	34	30	.....	1¼ miles.
Spindle on barn cupola	134	55	20	.....	1¼ miles.
Left chimney of house in woods	153	45	..	.....	½ mile.
Left peak of building	173	45	..	.....	4½ miles.
Peak between two chimneys of house	244	27	..	.....	¾ mile.
Left chimney of house	317	37	..	.....	⅜ mile.
Near peak of house	343	21	..	.....	2 miles.

FLAT.

General locality.—On Wye Island on the northern shore of the branch of Wye River bounding Wye Island on the south on a point between two coves about 1 mile northeast of Bruffs Island and ½ mile northeast of Bordley Point. (See Chart No. 32.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 8 yards north of shore, 8 yards southwest of shore, 12 yards west of extreme end of point, 17 yards east of south end of line of several trees on edge of bank 3 feet high, and 45 yards east of a black gum tree 5 feet in diameter at ground.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Albert" (N 84° 31′ E)	0	00	00	.....	¼ mile.
Left corner of tower of house	30	33	..	.....	1¼ miles.
Windmill	62	55	40	.....	1⅜ miles.
Spindle on barn cupola	119	34	..	.....	1⅝ miles.
Front peak of boat house	134	02	..	.....	1 mile.
Left tangent of black gum tree	158	06	40	.....	44 yards.
Near peak of house	249	34	..	.....	¾ mile.
Spindle on cupola	351	11	10	.....	¾ mile.
Windmill	352	15	30	.....	¾ mile.
Near peak of Baldwin house	354	50	..	.....	¾ mile.

ALBERT.

General locality.—On Wye Island on the northwestern shore of the branch of Wye River bounding Wye Island on the south on a point about 1¼ miles east-northeast of north end of Bruffs Island, and opposite entrance to Lloyd Creek. (See Chart No. 32.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 17 yards northwest of shore, 28 yards east of shore, 35 yards south of shore, and 75 yards north-northeast of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Le Seur" (N 1° 03′ E)	0	00	00	.....	300 yards.
Baldwin windmill	65	11	40	.....	⅜ mile.
Flagstaff on Baldwin boat house	67	59	..	.....	400 yards.
Windmill on wooden tower	125	16	30	.....	1 mile.
Peak of house with several chimneys	127	08	..	.....	1 mile.
Chimney outside near end of old house	170	05	..	.....	1 mile.
Front peak of boat house	231	10	..	.....	1¼ miles.
Peak between two chimneys of house	269	40	..	.....	1¾ miles.
Left peak of house	274	45	..	.....	⅞ mile.
Peak of house	347	47	..	.....	¾ mile.

LE SEUR.

General locality.—On Wye Island on the northwestern shore of the branch of Wye River bounding Wye Island on the south about ⅛ mile north of a prominent point opposite entrance to Lloyd Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in a clump of small trees about 3 feet above high water, 11 yards east of shore, 12 yards southwest of shore on line to next point, and 12 yards north by east of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Attila" (N 31° 07′ E)	0	00	00	.....	¼ mile.
Near peak of large barn	56	55	..	.....	⅝ mile.
Spindle on cupola	61	52	50	.....	¼ mile.
Right corner of chimney of Baldwin house	72	24	..	.....	¼ mile.
Nail in blaze in walnut tree (4 inches diameter)	140	45	50	.....	4.11 meters.
Nail in blaze in walnut tree (5 inches diameter)	201	19	40	.....	7.60 meters.
Nail in blaze in walnut tree (3 inches diameter)	255	56	30	.....	6.74 meters.
Nail in blaze in walnut tree (3 inches diameter)	304	08	10	.....	7.27 meters.

ATTILA.

General locality.—On Wye Island on the northwestern shore of the branch of Wye River bounding Wye Island on the south about ¾ mile north of entrance to Lloyd Creek at north side of entrance to a small cove. (See Chart No. 32.)

Immediate locality.—Observed station is on slope of a point about 3 feet above high water, 10 yards west of shore, 10 yards north-northeast of shore, and 11 yards northwest of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Tobiae" (N 15° 18′ E)	0	00	00	¼ mile.
Near peak of very large barn	97	30	..	⅜ mile.
Near peak of house	104	53	..	⅝ mile.
Spindle on cupola	128	31	50	¼ mile.
Left corner of Baldwin house	132	48	..	¼ mile.
Flagpole on wharf house	140	43	..	¼ mile.
Windmill	163	31	..	1¼ miles.
Nail in blaze in cedar stump (10 inches diameter)	197	07	20	8.36 meters.
Nail in blaze in cedar tree (8 inches diameter)	347	34	10	38.64 meters.

TOBINE.

General locality.—On Wye Island on the northwestern shore of the branch of Wye River bounding Wye Island on the south about ¾ mile north of entrance to Lloyd Creek on point at north side of entrance to a small cove. (See Chart No. 32.)

Immediate locality.—Observed station is on point of a cultivated field about 6 feet above high water, 4 yards north of edge of field, 4 yards southwest of edge of field, 5 yards west-northwest of point of field, and ¼ mile east-southeast of a barn with cupola.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Sang" (N 6° 21′ W)	0	00	00	¼ mile.
Right corner of house	16	19	..	⅝ mile.
Near peak of large barn	143	19	..	¼ mile.
Cupola of Baldwin barn	173	35	10	½ mile.
Right peak of Baldwin house	175	17	..	½ mile.
Windmill	187	35	..	1¼ miles.
Near peak of house	249	12	..	1⅛ miles.
Cupola of building	304	50	..	¼ mile.

SANG.

General locality.—On Wye Island on the northwestern shore of the branch of Wye River bounding Wye Island on the south about 1¼ miles north of entrance to Lloyd Creek and ⅝ mile west of entrance to Dividing Creek. (See Chart No. 32.)

Immediate locality.—Observed station is on bank about 12 feet above high water between two cuts in bank, 2 yards west of edge of bank, 3 yards northwest of edge of bank, 4 yards southwest of edge of bank, 32 yards from bottom of northern cut in bank, 52 yards from bottom of southern cut in bank, and 95 yards south-southwest of tree-lined gully.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Turn" (N 48° 08′ E)	0	00	00	.....	¼ mile.
Tangent of woods	41	45	..	.....	2 miles.
Tangent of point	56	52	..	.....	⅜ mile.
Right peak of large barn	100	25	..	.....	¾ mile.
Baldwin windmill	121	06	..	.....	¾ mile.
Peak of near gable of Baldwin house	122	05	..	.....	¾ mile.
Near peak of ell of house	199	14	..	.....	⅝ mile.
Left corner of house	256	56	..	.....	¼ mile.
Left peak of house	281	53	..	.....	¼ mile.

TURN.

General locality.—On Wye Island on the northwestern shore of the branch of Wye River bounding Wye Island on the south about ½ mile west of entrance to Dividing Creek on point at western side of entrance to a small cove. (See Chart No. 32.)

Immediate locality.—Observed station is on bank in a cultivated field about 8 feet above high water, 5 yards northwest of edge of bank, 6 yards north of edge of bank, 7 yards west of edge of bank, 50 yards south-southwest of entrance to a small creek, and 55 yards east of a dead sycamore tree in field.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Go" (S 84° 55′ E)	0	00	00	.....	⅛ mile.
Near peak of small house	32	18	..	.....	1⅛ miles.
Right peak of large barn	67	07	..	.....	¾ mile.
Baldwin windmill	85	55	..	.....	⅞ mile.
Near peak of gable of Baldwin house	86	21	..	.....	⅞ mile.
Nail in blaze in wild cherry tree (3 inches diameter)	128	20	10	.....	23.08 meters.
Chimney outside, near end of house	179	44	..	.....	⅜ mile.
Nail in blaze in locust tree (4 inches diameter)	255	50	00	.....	18.85 meters.
Nail in blaze in chestnut stump with second growth (14 inches diameter)	279	53	10	.....	12.93 meters.

GO.

General locality.—On Wye Island on the northern shore of the branch of Wye River bounding Wye Island on the south on a point between two coves about ¼ mile west of entrance to Dividing Creek. (See Chart No. 32.)

Immediate locality.—Observed station is on grassy beach at high water, about 2 yards south of foot of bank 4 feet high covered with dense growth of young trees, and 37 yards from entrance to a small creek. Cement monument marking reference station is 19.06 meters N 22° 35′ E of observed station.

Marks.—Observed station is nail in center of 2-inch pine stub projecting 2 inches above 2-inch tile pipe with top 2 inches below surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground.

References.—	°	′	″		
"Divide" (N 89° 24′ E)	0	00	00	.....	⅜ mile.
Near peak of shanty	48	16	..	.....	⅞ mile.
Chimney of house	51	46	..	.....	⅞ mile.
Peak of gable on Baldwin house	104	12	..	.....	⅞ mile.
Baldwin windmill	104	13	30	.....	⅞ mile.

References—Continued.	°	′	″	
Near corner of square chimney of house	159	10	..	¾ mile.
Cupola on barn	164	20	..	¾ mile.
Nail in blaze in gum tree (4 inches diameter)	249	05	50	6.68 meters.
Nail in blaze in gum tree (2 inches diameter)	272	16	30	5.73 meters.
REFERENCE STATION	293	11	20	19.06 meters.
Nail in blaze in gum tree (4 inches diameter)	313	07	10	4.15 meters.

DIVIDE.

General locality.—On Wye Island on the northern shore of the branch of Wye River bounding Wye Island on the south on point at eastern side of entrance to Dividing Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in point of woods about 4 feet above high water, 2 yards west-northwest of edge of bank, 8 yards east-northeast of edge of bank, and 11 yards north-northeast of point of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Princess" (N 53° 04′ E)	0	00	00	⅛ mile.
Right tangent of old wharf	12	44	..	¼ mile.
Near peak of large barn	50	24	..	1¾ miles.
Chimney of house	141	53	..	⅞ mile.
Baldwin windmill	162	18	30	1 mile.
Right chimney of house	189	13	20	2 miles.
Peak of house between two chimneys	195	40	..	2⅝ miles.
Nail in blaze in oak tree (14 inches diameter)	232	30	30	4.05 meters.
Nail in blaze in gnarled oak tree (8 inches diameter)	280	24	50	9.98 meters.
Nail in blaze in oak tree (30 inches diameter)	316	39	20	8.41 meters.

PRINCESS.

General locality.—On Wye Island on the northern shore of the branch of Wye River bounding Wye Island on the south about ⅛ mile northeast of entrance to Dividing Creek and ⅜ mile west of entrance to Granary Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in marsh land about 1 foot above high water, 4 yards north of shore, 18 yards east by north of a large oak tree at shore, 4 yards south of foot of bank 10 feet high covered with vegetation, and 10 yards west by south of a white oak tree on bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Philip" (S 83° 05′ E)	0	00	00	[illegible] mile.
Chimney of house on Pickerings Creek	15	16	..	1¾ miles.
Right peak of large barn	110	22	..	1 mile.
Baldwin windmill	121	01	..	1¼ miles.
Cupola of Baldwin stable	121	10	..	1¼ miles.
Nail in blaze in white oak tree (3 inches diameter)	163	26	00	5.65 meters.
Nail in blaze in cedar tree (14 inches diameter)	255	36	20	3.01 meters.
Right tangent of old wharf	351	19	..	150 yards.

PHILIP.

General locality.—On Wye Island on the northern shore of the branch of Wye River bounding Wye Island on the south on western side of entrance to Granary Creek and ¼ mile east of entrance to Dividing Creek. (See Chart No. 32.)

Immediate locality.—Observed station is about 1 foot above high water, 3 yards north of shore, 9 yards south-southwest of shore of creek, 9 yards west of extreme end of point, and 6 yards southeast of point of bank 4 feet high. Cement monument marking reference station is 4.62 meters N 18° 12′ E of observed station.

Marks.—Observed station is nail in center of 2-inch cedar stub projecting 2 inches above 2-inch tile pipe with top flush with surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground.

References.—	°	′	″	
"Granary" (S 63° 59′ E)	0	00	00	¼ mile.
Baldwin windmill	113	44	20	1⅜ miles.
Near peak of ell of house	141	49	..	1¼ miles.
Nail in blaze in cedar tree (3 inches diameter)	169	10	50	9.33 meters.
Nail in blaze in pine tree (6 inches diameter)	210	13	30	18.09 meters.
Nail in blaze in oak tree (7 inches diameter)	238	45	30	4.41 meters.
REFERENCE STATION	262	11	40	4.62 meters.
Tangent of point	321	20	..	¼ mile.
Near peak of large building	358	32	..	2 miles.

GRANARY.

General locality.—On Wye Island on the northern shore of the branch of Wye River bounding Wye Island on the south on point at eastern side of entrance to Granary Creek. (See Chart No. 32.)

Immediate locality.—Observed station is among water bushes on marsh land, about 1 foot above high water, 10 yards northeast of shore, 11 yards west of shore, 12 yards north by west of extreme end of point, and 50 yards from trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Morn" (N 89° 30′ E)	0	00	00	⅛ mile.
Large chimney of building	24	48	..	1¼ miles.
Right tangent of point	85	34	..	¼ mile.
Left end of barn	176	08	..	1¼ miles.
Left tangent of old wharf	199	54	..	½ mile.

MORN.

General locality.—On Wye Island on the northern shore of the branch of Wye River bounding Wye Island on the south, about 300 yards east of entrance to Granary Creek and ¾ mile northwest of entrance to Pickerings Creek. (See Chart No. 32.)

Immediate locality.—Observed station is about 1 foot above high water, 4 yards northwest of shore, 4 yards northeast of shore, and 6 yards southeast of foot of wooded slope to field 12 feet above high water. Cement monument marking reference station is 3.82 meters N 33° 52′ W of observed station.

Marks.—Observed station is nail in center of 2-inch cedar stub projecting 2 inches above 2-inch tile pipe with top flush with surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2-inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground.

References.—	°	′	″	
"Bush" (N 83° 20′ E)	0	00	00	¼ mile.
Tangent of point	4	01	..	¼ mile.
Near peak of building	32	42	..	1½ miles.
Tangent of foot of slope	56	33	..	¼ mile.
Right tree on point	120	06	..	¼ mile
Tangent of woods	182	21	..	⅝ mile.
Nail in blaze in locust tree (6 inches diameter)	202	15	50	2.49 meters.
Nail in blaze in cedar tree (4 inches diameter).	241	37	00	5.47 meters.
REFERENCE STATION	242	48	00	3.82 meters.
Nail in blaze in locust tree (7 inches diameter)	244	46	50	6.68 meters.

BUSH.

General locality.—On Wye Island on the northern shore of the branch of Wye River bounding Wye Island on the south on north side of entrance to a small cove, about ¼ mile east of entrance to Granary Creek and ⅝ mile northwest of entrance to Pickerings Creek. (See Chart No. 32.).

Immediate locality.—Observed station is in cultivated land, about 7 feet above high water, 4 yards northeast of edge of bank, 9 yards northwest of point of curve of land, 22 yards west of tangent of land at tree, 30 yards west-northwest of scattering trees, and 50 yards northwest of a point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Nub" (S 83° 55′ E)	0	00	00	⅛ mile.
Tangent of point	46	27	..	¼ mile..
Largest cedar tree on point of high bank	96	41	..	¼ mile.
Nail in blaze in locust tree (2 inches diameter)	102	18	10	3.81 meters.
Tangent of point	166	18	..	¼ mile.
Nail in blaze in hackberry tree (5 inches diameter)	180	06	00	8.65 meters.
Nail in blaze in walnut tree (10 inches diameter)	348	25	20	20.04 meters.

NUB.

General locality.—On Wye Island on the northern shore of the branch of Wye River bounding Wye Island on the south on eastern side of entrance to a creek about ⅝ mile east of entrance to Granary Creek and ½ mile north of entrance to Pickerings Creek. (See Chart No. 32.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 2 yards east of shore, 20 yards southwest of shore, 45 yards west of shore, 20 yards south of extreme end of point, and 16 yards north-northwest of woods. Cement monument marking reference station is 15.10 meters N 83° 01′ E of observed station.

Marks.—Observed station is nail in center of 2-inch cedar stub set in 2-inch tile pipe with top flush with surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—	°	′	″	
"Wheel" (S 4° 10′ E)	0	00	00	¼ mile.
Chimney on house	30	02	..	⅞ mile.
Largest cedar on point of high bank	47	16	..	⅜ mile.
Large oak tree	94	55	..	⅜ mile.
Large oak tree	143	43	..	⅛ mile.
Large oak tree	226	17	..	150 yards.
REFERENCE STATION	267	11	20	15.10 meters.
Nail in blaze in cedar tree (8 inches diameter)	296	57	30	16.81 meters.
Nail in blaze in oak tree (5 inches diameter)	333	04	40	19.64 meters.
Nail in blaze in oak tree (4 inches diameter)	349	37	20	20.87 meters.

WHEEL.

General locality.—On Wye Island on the northern shore of the branch of Wye River bounding Wye Island on the south on a point about ⅝ mile southeast by east of entrance to Granary Creek and ½ mile northwest of entrance to Pickerings Creek. (See Chart No. 32.)

Immediate locality.—Observed station is on marsh point south of woods, about 1 foot above high water, 2 yards east of shore, 4 yards southeast of point at slight cut in marsh, and 40 yards north of square point of shore. Cement monument marking reference station is 5.26 meters S 86° 47′ E of observed station.

Marks.—Observed station is nail in center of 2-inch cedar stub set in 2-inch tile pipe projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—

	°	′	″	
"Pick" (S 12° 31′ E)	0	00	00	⅜ mile.
Left peak of building	0	04	..	⅞ mile.
Right tangent of woods	111	05	..	1 mile.
Large oak tree	129	21	..	½ mile.
Nail in blaze in oak tree (14 inches diameter)	219	10	40	21.66 meters.
Nail in blaze in oak tree (9 inches diameter)	230	46	50	18.74 meters.
Nail in blaze in cedar tree (6 inches diameter)	262	26	00	19.26 meters.
REFERENCE STATION	285	11	00	5.26 meters
Left peak of large building	299	31	..	¾ mile.
Chimney showing over fence	308	54	..	¾ mile.
Right peak of large barn	359	34	..	⅞ mile.

PICK

General locality.—Southern shore of the branch of Wye River bounding Wye Island on the south on western side of entrance to Pickerings Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in cultivated land about 15 feet above high water, 25 yards southwest of edge of field at line of cedar trees, 22 yards west of gully, 40 yards south-southeast of a small clump of trees beyond small gully, and 300 yards east-southeast of fringe of cedar trees along edge of field northeast to east of gully.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Corner" (N 77° 40′ W)	0	00	00	¼ mile.
Nail in blaze in cherry tree (6 inches diameter)	42	54	00	36.64 meters.
Left peak of barn	58	21	..	1¼ miles.
Front peak of house	104	57	..	1⅛ miles.
Nail in blaze in cedar tree (6 inches diameter)	110	11	50	27.24 meters.
Nail in blaze in cedar tree (6 inches diameter)	134	46	00	26.37 meters.
Near peak of house	152	11	..	⅝ mile.
Nail in blaze in hackberry tree (5 inches diameter)	169	37	50	23.00 meters.
Left peak of large barn	243	36	..	¼ mile.
Right peak of house	314	37	..	¼ mile.

CORNER (Wye River).

General locality.—Southern shore of the branch of Wye River bounding Wye Island on the south about ¼ mile west of entrance to Pickerings Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in cultivated land about 15 feet above high water, 50 yards southwest of edge of bank, 55 yards south of gully, 70 yards north-northwest of trees in depression, and 120 yards west of point of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Right" (N 20° 45′ W)	0	00	00	¼ mile.
Nail in blaze in large elm tree	16	18	00	50.41 meters.
Near peak of building	18	21	..	1 mile.
Nail in blaze in one of twin elm trees	63	58	40	47.11 meters.
Near peak of house	101	49	..	1¼ miles.
Left peak of house with two chimneys	113	02	..	1½ miles.
Nail in blaze in oak tree (14 inches diameter)	162	16	00	61.44 meters.
Near peak of large barn	238	11	..	¾ mile.
Right corner of large house	275	51	..	1½ miles.
Chimney on middle of large house	280	01	..	1 mile.

RIGHT.

General locality.—Southern shore of the branch of Wye River bounding Wye Island on the south on a point about ½ mile soutneast of entrance to Granary Creek and ½ mile northwest of entrance to Pickerings Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in tree-fringed cultivated land about 15 feet above high water, 7 yards south of edge of bank, 9 yards from point of bank at path, 15 yards northwest of edge of bank, and 120 yards east of fence in depression.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Chew" (N 71° 45′ W)	0	00	00	⅛ mile.
Left chimney of long house in woods	33	06	..	1 mile.
Nail in blaze in cedar tree (8 inches diameter)	76	18	00	8.25 meters.
Left one of two large chimneys showing over the trees	131	03	..	1 mile.
Left corner of building	168	32	..	1⅛ miles.
Nail in blaze in hickory tree (10 inches diameter)	182	29	40	10.80 meters.
Nail in blaze in elm tree (10 inches diameter)	243	35	00	29.80 meters.
Right peak of house	269	37	..	½ mile.
Windmill to right of two large cupolas	287	12	..	⅝ mile.

CHEW.

General locality.—Southern shore of the branch of Wye River bounding Wye Island on the south about ⅜ mile southeast of entrance to Granary Creek and ⅝ mile west-northwest of entrance to Pickerings Creek. (See Chart No. 32.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 6 yards northeast of foot of bank 12 feet high, 12 yards west of point of shore, and 10 yards northwest of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Whale" (N 77° 32′ W)	0	00	00	.....	⅛ mile.
Large oak tree	72	58	..	.....	¼ mile.
Tangent of point	131	18	..	.....	⅜ mile.
Left end of building	138	38	..	.....	½ mile.
Near peak of building	175	22	..	.....	1¼ miles.
Near peak of large barn	179	07	..	.....	1 mile.
Nail in blaze in cedar tree (10 inches diameter)	284	33	..	.....	18.19 meters.
Nail in blaze in cedar tree (6 inches diameter)	348	47	10	.....	9.57 meters.
Nail in blaze in cedar tree (5 inches diameter)	358	58	20	.....	21.82 meters.

WHALE.

General locality.—Southern shore of the branch of Wye River bounding Wye Island on the south on a point at western side of entrance to a small cove about ¼ mile south of entrance to Granary Creek. (See Chart No. 32.)

Immediate locality.—Observed station is on a sand-and-grass point about 2 feet above high water, 2 yards south-southeast of shore, 4 yards west-northwest of shore, 9 yards southwest of extreme end of point, and 7 yards east by north of foot of a terraced bank about 15 feet high.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Matter" (N. 77° 03′ W)	0	00	00	.....	½ mile.
Near peak of larger barn	52	33	..	.....	¾ mile.
Large oak tree	115	39	..	.....	¼ mile.
Near corner of building	175	40	..	.....	1¼ miles.
Near peak of large barn	178	45	..	.....	1½ miles.
Nail in blaze in cedar tree (10 inches diameter)	286	06	30	.....	9.40 meters.
Nail in blaze in cedar tree (7 inches diameter)	309	33	10	.....	5.50 meters.
Nail in blaze in cedar tree (5 inches diameter)	315	23	40	.....	9.49 meters.

MATTER.

General locality.—Southern shore of the branch of Wye River bounding Wye Island on the south about ⅜ mile east-southeast of entrance to Dividing Creek and ⅜ mile west-southwest of entrance to Granary Creek. (See Chart No. 32.)

Immediate locality.—Observed station is on small grassy point about 1 foot above high water, 3 yards south of shore, and 2 yards north of foot of tree-fringed bank 5 feet high. Cement monument marking reference station is 8.58 meters S 0° 32′ E of observed station.

Marks.—Observed station is nail in center of 2-inch cedar stub set in 2-inch tile pipe with top flush with surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—	°	′	″		
"Deck" (N 78° 05′ W)	0	00	00	.....	200 yards.
Left tangent of wharf	62	43	..	.....	¼ mile.
Near peak of large barn on Pickerings Creek	180	05	..	.....	1⅝ miles.
Nail in blaze in cedar tree (14 inches diameter)	204	10	50	.....	2.31 meters.
REFERENCE STATION	257	32	20	.....	8.58 meters.
Nail in blaze in one of twin cedar trees (8 inches diameter)	276	33	10	.....	3.72 meters
Nail in blaze in cedar tree (8 inches diameter)	305	43	30	.....	2.42 meters.

DECK.

General locality.—Southern shore of the branch of Wye River bounding Wye Island on the south on a point about ½ mile southeast of entrance to Dividing Creek. (See Chart No. 32.)

Immediate locality.—Observed station is at edge of water bushes on a grass point about 1 foot above high water, 4 yards south of shore, 10 yards west of a round point, 20 yards east of shore, and 30 yards north of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Quarter" (S 38° 13′ W)	0	00	00	¼ mile.
Chimney of house	43	11	..	1¼ miles.
Tangent of point of land	74	32	..	¼ mile.
Left tangent of old wharf	149	46	..	400 yards.
South peak of large barn	170	41	..	¾ mile.
Tangent of point of land	206	49	..	500 yards.
Left cedar tree on point	243	41	..	200 yards.

QUARTER.

General locality.—Southern shore of the branch of Wye River bounding Wye Island on the south about ⅜ mile south-southeast of entrance to Dividing Creek and at east side of entrance to a cove. (See Chart No. 32.)

Immediate locality.—Observed station is on bank in a cultivated field about 12 feet above high water, 2 yards southeast of edge of bank, 100 yards south of trees and break in bluff, and 120 yards north of edge of bank at point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Nodim" (N 87° 45′ W)	0	00	00	½ mile.
Near peak of barn	1	18	..	1⅛ miles.
Chimney outside near end of house	10	34	..	1⅞ miles.
Near corner of barn	53	27	.	⅞ mile.
Right tangent of old wharf	112	25	..	⅜ mile.
Right peak of large barn	304	41	..	¾ mile.
Baldwin windmill	317	20		⅞ mile
Near peak of house	354	48		1¼ miles.

NODIM.

General locality.—Southeastern shore of the branch of Wye River bounding Wye Island on the south about ⅜ mile southwest of entrance to Dividing Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in cultivated land about 4 feet above high water, 4 yards south of shore, 8 yards southeast of shore, 25 yards southwest of shore of marsh, and 13 yards south of corner of marsh.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Gusta" (S 21° 08′ W)	0	00	00	⅜ mile.
Near peak of house	42	04	..	1⅜ miles
Left peak of house	63	19	..	1 mile.
Chimney outside left end of house	134	07	..	⅝ mile
Right corner of house	152	55	..	¾ mile.
Right tangent of wharf	220	29	..	¼ mile
Baldwin windmill	354	18		⅞ mile.

GUSTA.

General locality.—Southeastern shore of the branch of Wye River bounding Wye Island on the south about ⅞ mile north-northeast of entrance to Lloyd Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in a cultivated field about 10 feet above high water, 8 yards east of edge of bank, 12 yards southeast of edge of bank, 17 yards northeast of edge of bank, 35 yards north-northeast of a depression, and 65 yards southwest of end of cut in bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Sylvia" (S 22° 57′ W)	0	00	00	⅜ mile.
Left tangent of house on Bruffs Island	26	06	..	2 miles.
Left chimney of house	45	15	..	1⅜ miles.
Peak between two chimneys of house	51	42	..	2 miles.
Right peak of house	80	53	..	1 mile.
Cupola of barn	88	46	..	⅝ mile.
Left corner of house	155	40	..	¾ mile.
Right peak of large barn	312	09	..	⅜ mile.
Baldwin windmill	350	13	..	⅜ mile.

SYLVIA.

General locality.—Southeastern shore of the branch of Wye River bounding Wye Island on the south on second prominent point north of entrance to Lloyd Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in a cultivated field about 10 feet above high water, 11 yards east by south of edge of bluff, 22 yards northeast of lone locust tree 2 feet in diameter at the edge of the bank, and 400 yards northwest of a large barn.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Baldwins" (S 27° 13′ W)	0	00	00	¼ mile.
Nail in blaze in locust tree (24 inches diameter)	24	12	20	19.90 meters.
Very large lone tree	40	21	..	22 yards.
Nail in blaze in locust tree (6 inches diameter)	53	42	20	13.37 meters.
Left peak of barn	73	23	..	⅝ mile.
Cupola of building	106	19	..	⅝ mile.
Near peak of large house	156	37	..	1 mile.
Near peak of large barn	273	21	..	⅜ mile.
Baldwin windmill	334	37	..	¼ mile.
Peak of near gable of Baldwin house	336	06	..	¼ mile.
Spindle on cupola	336	51	..	¼ mile.

BALDWINS.

General locality.—Southeastern shore of the branch of Wye River, bounding Wye Island on the south on a point about ⅜ mile north of entrance to Lloyd Creek. (See Chart No. 32.)

Immediate locality.—Observed station is on a short, sharp point of marsh about 100 yards north of a yacht landing, 7 yards northeast of shore, 10 yards southeast of shore, 12 yards east of extreme end of point, and 8 yards west of foot of bank 8 feet high.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Cousin" (S 25° 13′ E)	0	00	00	¼ mile.
Flagstaff on yacht-landing house	11	27	..	100 yards.
Windmill	27	44	..	1⅛ miles.
Left peak of bell cupola	27	55	..	1⅛ miles.
Spindle on barn cupola	62	53	..	2 miles.
Front peak of boathouse on Bruffs Island	77	51	..	1¼ miles.
Near corner of left chimney of house	111	37	..	¾ mile.
Near peak of barn with cupola	175	20	..	⅝ mile.
Near peak of barn	215	40	..	1 mile.
Nail in blaze in cedar tree (6 inches diameter)	248	50	50	7.91 meters.
Nail in blaze in locust tree (5 inches diameter)	311	47	20	5.36 meters.
Nail in blaze in locust tree (4 inches diameter)	324	04	50	13.45 meters.

COUSIN.

General locality.—Southeastern shore of the branch of Wye River bounding Wye Island on the south, about 1½ miles east-northeast of north end of Bruffs Island and at northern side of entrance to Lloyd Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in a pasture about 9 feet above high water, 25 yards east of edge of bank, 65 yards south-southeast of a small clump of trees in bottom land, 65 yards north of trees, 60 yards north of edge of a field, and 200 yards south of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Lloyd" (S 36° 07′ W)	0	00	00	½ mile.
Spindle on barn cupola	8	04	50	2 miles.
Front peak of boathouse	26	05	..	1¼ miles.
Left peak of house	63	13	..	1⅛ miles.
Chimney of house	91	31	..	¾ mile.
Peak of near gable of Baldwin house	135	42	..	200 yards.
Windmill on large barn	187	08	..	¼ mile.
Right peak of house	209	44	..	350 yards.
Left peak of bell cupola	333	34	..	1 mile.
Windmill	334	19	..	1 mile.

LLOYD.

General locality.—Southern shore of the branch of East Wye River bounding Wye Island on the south, at western side of entrance to Lloyd Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in cultivated land about 12 feet above high water, 70 yards southwest of edge of bank, 65 yards south of edge of bank, 65 yards north-northeast of point of woods and bottom land, and 120 yards northwest of an oak tree.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Edwards" (N 84° 02′ W)	0	00	00	⅜ mile.
Near peak of house	32	43	..	1 mile.
Left peak of barn	52	18	..	1⅛ miles.
Near peak of house	76	14	..	⅞ mile.
Peak of near gable of Baldwin house	109	28	..	¾ mile.
Near peak of barn	122	59	..	⅞ mile.
Right peak of large house	132	01	..	1 mile.
Large oak tree	208	57	30	120 yards.

EDWARD.

General locality.—Southern shore of the branch of Wye River bounding Wye Island on the south on a point at eastern side of entrance to Shaw Bay, about ¾ mile east-northeast of north end of Bruffs Island and ⅜ mile west of entrance to Lloyd Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in cultivated land about 8 feet above high water, 8 yards southeast of edge of a bluff which is washing away, and 30 yards southwest of a line of large trees at edge of bank and field.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Colonel" (S 0° 10′ W)	0	00	00	⅓ mile.
Windmill	33	28	20	1¼ miles.
Front peak of boathouse	64	02	..	¾ mile.
Peak between two chimneys of house	114	10	..	1⅜ miles.
Near peak of house	146	12	..	⅞ mile.
Chimney of house	170	06	..	1¼ miles.
Nail in blaze in walnut tree (13 inches diameter)	201	56	40	26.40 meters.
Nail in blaze in locust tree (4 inches diameter)	216	09	10	26.95 meters.
Nail in blaze in locust tree (10 inches diameter)	235	55	40	31.55 meters.
Windmill	309	41	00	⅞ mile.

COLONEL.

General locality.—Southern shore of Shaw Bay on a point at entrance to a small cove about ½ mile from the branch of Wye River bounding Wye Island on the south and ⅝ mile east of Bruffs Island. (See Chart No. 32.)

Immediate locality.—Observed station is in a field about 10 feet above high water, 6 yards southeast of edge of bank which is washing away, 9 yards south-southwest of point of bank, and 3 yards west of top of bank lined with cedar, walnut, and oak trees. Cement monument marking reference station is 18.69 meters S 24° 06′ E of observed station.

Marks.—Observed station is nail in center of 2-inch stub projecting 4 inches above 2-inch tile pipe with top flush with surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground.

References.—

	°	′	″	
"Shaw" (N 68° 12′ W)	0	00	00	¾ mile.
Peak of roof between two chimneys of house	19	29	..	1⅝ miles.
Near peak of house	48	21	..	1⅛ miles.
Peak of near gable of house	100	57	..	1¼ miles.
Nail in blaze in oak tree (20 inches diameter)	110	47	00	5.21 meters.
Nail in blaze in oak tree (6 inches diameter)	183	33	40	6.46 meters.
Nail in blaze in oak tree (7 inches diameter)	213	01	40	13.45 meters.
REFERENCE STATION	224	05	50	18.69 meters.
Near corner of house on Bruffs Island	355	07	..	¾ mile.

SHAW.

General locality.—Southern shore of entrance to the branch of Wye River bounding Wye Island on the south on northern end of Bruffs Island about ⅜ mile southwest of Bordley Point. (See Chart No. 32.)

Immediate locality.—Observed station is in walnut, pine, and cedar woods, about 15 feet above high water, 7 yards southwest of edge of bank, and 100 yards north-northwest of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Won" (N 69° 43′ W)	0	00	00	½ mile.
Peak of house between two chimneys	39	56	..	⅞ mile.
Chimney on right end of house	77	44	..	1¾ miles.
Near peak of large barn	88	54	..	1½ miles.
Near peak of house	137	02	..	1⅝ miles.
Chimney of house	174	08	..	1¼ miles.
Right corner of left plazza post	234	04	10	100 yards.
Nail in blaze in walnut tree (28 inches diameter)	235	00	00	29.32 meters.
Nail in blaze in walnut tree (24 inches diameter)	268	35	20	24.30 meters.
Nail in blaze in walnut tree (15 inches diameter)	291	48	10	15.98 meters.

BRUFFS.

General locality.—Eastern shore of Wye River on northwest point of Bruffs Island about ⅞ mile northeast of Bennett Point and ¼ mile southwest of Bordley Point. (See Chart No. 32.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 10 yards east of shore, 14 yards southwest of shore, 20 yards southeast of point of marsh, and 18 yards west of point of woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 7 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Law" (S 2° 07′ W)	0	00	00	½ mile.
"St. Michaels P. E. Church Spire"	17	35	20	5⅜ miles.
"St. Michaels Water Tank"	17	50	20	5¼ miles.
Cupola of barn	38	15	00	4⅛ miles.
Near peak of large barn	54	30	..	3¾ miles.
Large walnut tree	118	55	..	¼ mile.
Peak between two chimneys of house	156	15	..	⅞ mile.
Near corner of house	184	29	..	2⅛ miles.
Right peak of house	208	24	..	⅞ mile.
Nail in blaze in tree (4 inches diameter)	257	20	30	17.38 meters.
Nail in blaze in walnut tree (3 inches diameter)	278	43	50	27.96 meters.
Nail in blaze in cedar tree (4 inches diameter)	310	49	30	41.27 meters.
Smokepipe of building in woods	314	28	..	200 yards.

LAW.

General locality.—Southeastern shore of Wye River about ¾ mile east of Bennett Point and ⅛ mile southwest of south end of Bruffs Island. (See Chart No. 32.)

Immediate locality.—Observed station is in cultivated land about 15 feet above high water, 8 yards southeast of edge of a bluff, 45 yards southwest of a wire fence, 100 yards northeast of a clump of trees, and 150 yards northwest of a black walnut tree at edge of field.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"James" (S 36° 41′ W)	0	00	00	.....	½ mile.
"Rich Neck Water Tower"	47	20	10	.....	4⅛ miles.
Chimney of house on Tilghmans Point Farm	57	48	..	.....	3¾ miles.
Cupola of right barn	58	51	..	.....	3¾ miles.
Near peak of large barn	128	41	..	.....	1¼ miles.
Right corner of building in woods	169	31	..	.....	⅜ mile.
Nail in blaze in cedar tree (4 inches diameter)	182	21	50	.....	38.67 meters.
Left peak of house	199	10	..	.....	2 miles.
Nail in blaze in black walnut tree (7 inches diameter)	206	30	30	.....	45.23 meters.
Nail in blaze in cedar tree (4 inches diameter)	224	46	40	.....	59.96 meters.
Black walnut tree (18 inches diameter)	284	14	..	.....	150 yards.
Right corner of barn	297	53	..	.....	¼ mile.
Large cedar tree	338	28			100 yards.

JAMES (MILES RIVER).

General locality.—Eastern shore of Miles River at southern side of entrance to Wye River, about ⅝ mile southwest of Bruffs Island and ⅝ mile southeast of Bennett Point. (See Chart No. 32.)

Immediate locality.—Observed station is in a cultivated field about 20 feet above high water, 17 yards east of edge of a bluff at shore, and 14 yards south of edge of a bluff 18 feet high, with uniform slope to shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Frank" (S 3° 18′ W)	0	00	00	.....	¼ mile.
"St. Michaels P. E. Church Spire"	15	09	..	.....	4½ miles.
"St. Michaels Water Tank"	17	06	..	.....	4⅜ miles.
South chimney of house	63	16	..	.....	4 miles.
South chimney of house on Tilghmans Point farm	97	14	..	.....	3½ miles.
Right tangent of Tilghmans Point	109	08	..	.....	3¾ miles.
Chimney of small cabin	174	03	..	.....	1⅜ miles.
West gable of barn	190	22	..	.....	2¾ miles.
Cupola of barn	297	26	..	.....	⅝ mile.

FRANK.

General locality.—Eastern shore of Miles River about ½ mile south of entrance to Wye River and 1 mile northeast of Herring Island. (See Chart No. 32.)

Immediate locality.—Observed station is in cultivated field about 18 feet above high water, 8 yards east of a bluff washed by high water, and 125 yards south of a ditch. Cement monument marking reference station is 25.51 meters S 87° 47′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground.

References.—	°	′	″		
"Wood" (S 12° 55′ E)	0	00	00	.....	¼ mile.
"St. Michaels P. E. Church Spire"	32	13	..	.....	4¼ miles.
"St. Michaels Water Tank"	34	18	..	.....	4⅛ miles.
East gable of barn	59	33	..	.....	3 miles.

References—Continued. ° ′ ″

"Rich Neck Water Tank"	105	14	.. ..	3⅞ miles.
South chimney of house on Tilghmans Point farm	117	24	.. ..	3½ miles.
Right tangent of Tilghmans Point	129	22	.. ..	3¾ miles.
South gable of small house	185	22	.. ..	1¼ miles.
REFERENCE STATION	285	08	10	25.51 meters.
Cupola on barn	289	06	.. ..	⅜ mile.
East chimney of house	335	53	.. ..	1⅛ miles.

WOOD.

General locality.—Eastern shore of Miles River about 1½ miles southeast of Bennett Point, 1¼ miles east-northeast of Herring Island and ⅝ mile north-northwest of entrance to Woodland Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in a cultivated field about 18 feet above high water, 18 yards east of shore and top of vertical bank 18 feet high, and 3 yards south of a wire fence.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.— ° ′ ″

"Pearson" (N 65° 24′ W)	0	00	00	3¼ miles.
Right tangent of Tilghmans Point	5	29	.. ..	3½ miles.
Left tangent of marsh on Bennett Point	36	49	.. ..	1⅛ miles.
West gable of barn	127	56	.. ..	½ mile.
"St. Michaels P. E. Church Spire"	266	53	.. ..	4 miles.
"St. Michaels Water Tank"	269	09	.. ..	3⅞ miles.
North chimney of house	321	42	.. ..	3 miles.
South chimney of house on Tilghmans Point farm	353	51	.. ..	3⅝ miles.

HERR.

General locality.—In Miles River, on Herring Island, about 1¼ miles southwest of entrance to Wye River. (See Chart No. 32.)

Immediate locality.—Observed station is on sandy ground in the center of Herring Island, about 2 feet above high water, 30 yards northeast of shore, and 30 yards southwest of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.— ° ′ ″

"Rich Neck Water Tank" (N 77° 26′ W)	0	00	00	3 miles.
North chimney of house on Tilghmans Point. farm	16	28	.. ..	2⅞ miles.
Right tangent of Tilghmans Point	31	07	.. ..	2⅞ miles.
South gable of barn	81	37		7 miles.
North chimney of small house	108	59	.. ..	2¾ miles.
Cupola of barn	149	17	.. ..	1½ miles.
North gable of barn	198	40	.. ..	1¾ miles.
East gable of barn	209	40	.. ..	3 miles.
Left chimney of Seth house	333	42	.. ..	2 miles.
North chimney of house	345	25	.. ..	2⅛ miles.

OLLIE.

General locality.—Eastern shore of Miles River about 1 mile north of entrance to Leeds Creek, and ¾ mile northeast of Deep Water Point. (See Chart No. 32.)

Immediate locality.—Observed station is in woods about 8 feet above high water, 6 yards west of edge of bank which is washing rapidly, and 8 yards northeast of large pine tree at edge of bank. Cement monument marking reference station is 14.42 meters N 74° 15′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe with top flush with surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of the ground.

References.—

	°	′	″	
"Swing" (S 1° 20′ W)	0	00	00	¾ mile.
Nail in blaze in pine tree (3 feet diameter)	25	56	00	7.62 meters.
"St. Michaels Water Tank"	37	58	20	2¼ miles.
Weather vane on house on Deep Water Point farm	57	10	..	1 mile.
Near peak of house	91	55	..	1⅝ miles.
Chimney of house on Tilghmans Point farm	130	38	..	4½ miles.
Right tangent on Tilghmans Point	140	03	..	4½ miles.
"Parsons Island Water Tank"	157	19	40	7¼ miles.
Left tangent of main woods on Bennett Point	172	00	..	3 miles.
Chimney on right end of house in woods	180	00	..	4 miles.
Nail in blaze in pine tree (8 inches diameter)	240	27	..	10.56 meters.
REFERENCE STATION	284	24	40	14.42 meters.
Nail in blaze in pine tree (7 inches diameter)	285	22	10	10.55 meters.
Nail in blaze in pine tree (7 inches diameter)	316	39	..	12.52 meters.

SWING.

General locality.—Eastern shore of Miles River about ¼ mile northwest of entrance to Leeds Creek. (See Chart No. 32.)

Immediate locality.—Observed station is on marsh land between river and small pond about 4 yards east of shore, 18 yards west of pond, 100 yards south of point of woods, and 100 yards northwest of another point of woods. Cement monument marking reference station is 54.35 meters N 62° 04′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe with top flush with surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—

	°	′	″	
"Fair" (S 35° 08′ E)	0	00	00	¼ mile.
Between two chimneys of large house	14	25	..	2½ miles.
Right one of two dormer windows on old house	29	54	..	
Peak between two chimneys of Mulligan house	45	39	..	1¾ miles.
"St. Michaels P. E. Church Spire"	83	50	20	1¾ miles.
"St. Michaels Water Tank"	90	00	50	1¾ miles.
Square chimney of large house	114	25	..	1¼ miles.
Weather vane on house on Deep Water Point farm	141	42	..	¾ mile.
Chimney on house on Tilghmans Point farm	173	38	..	5 miles.
Tangent of Tilghmans Point	181	51	..	5⅛ miles.
REFERENCE STATION	277	12	30	54.35 meters.

FAIR.

General locality.—Eastern shore of Miles River on Fairview Point at northwestern side of entrance to Leeds Creek. (See Chart No. 32.)

Immediate locality.—Observed station is about 2 feet above high water, 9 yards northeast of shore, 16 yards northwest of shore, and 13 yards north of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Second" (N 36° 37′ E)	0	00	00	¼ mile.
West peak of Oliver house	8	01	..	1 mile.
Peak of tower on Norris house	19	05	..	¾ mile.
Corner post of porch of Rieman house	86	51	..	⅜ mile.
Near peak of gable on house at Pebbly Beach	125	46	..	3¾ miles.
Large tree near several buildings in yard	152	40	..	1⅝ miles.
North peak of large house	160	30	..	1⅝ miles.
West chimney of house	181	37	..	1¾ miles.
"St. Michaels Water Tank"	207	14	50	1¾ miles.
Weather vane on square tower of house on Deep Water Point farm	258	58	..	1 mile.
Nail in blaze in cedar tree (10 inches diameter)	286	52	40	17.37 meters.
Nail in blaze in cedar tree (14 inches diameter)	296	47	30	11.15 meters.
Nail in blaze in cedar tree	334	59	10	15.48 meters.

SECOND.

General locality.—Northwestern shore of Leeds Creek about ¼ mile northeast of Miles River. (See Chart No. 32.)

Immediate locality.—Observed station is on small marsh point just east of cedar woods about 1 foot above high water, 5 yards west of shore, 13 yards north of shore, and 25 yards south of bend in shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe, buried with top 2 inches below base of monument.

References.—

	°	′	″	
"But" (N 15° 49′ E)	0	00	00	⅜ mile.
South peak of barn	7	50	..	1 mile.
Near corner of house	24	19	..	1¼ miles.
Brick smokestack at Tunis Mills	32	27	..	2⅛ miles.
Spindle on tower of house	46	46	..	⅝ mile.
Northeast peak of large building	60	02	..	⅝ mile.
Cupola on barn	141	11	..	½ mile.
Nail in blaze in cedar tree (7 inches diameter)	222	10	10	9.31 meters.
Nail in blaze in cedar tree (8 inches diameter)	249	34	40	5.78 meters.
Nail in blaze in cedar tree (10 inches diameter)	281	50	10	6.57 meters.

BUT.

General locality.—Northwestern shore of Leeds Creek, about ⅝ mile north of Miles River, and at northeastern side of entrance to a small cove. (See Chart No. 32.)

Immediate locality.—Observed station is on a small marsh point, about 1 foot above high water, 11 yards south-southwest of shore, 8 yards west of point of shore, 7 yards north of shore, 7 yards east of pasture land, 100 yards southwest of a clump of trees, and 6 yards from a line of cedar trees extending north and south.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Aber" (N 54° 17′ E)	0	00	00	.....	¼ mile.
Right corner of large brick house	25	51	..	.....	¾ mile.
Spindle on tower of house	45	52	..	.....	½ mile.
Right peak of house with two chimneys	93	38	..	.....	½ mile.
Right corner of Rieman house	119	04	..	.....	⅞ mile.
Nail in blaze in cedar tree (4 inches diameter)	190	15	50	.....	9.17 meters.
Nail in blaze in hackberry tree (3 inches diameter)	211	46	00	.....	8.93 meters.
Nail in blaze in water bush (3 inches diameter)	264	34	30	.....	5.42 meters.
Chimney of house	305	01	..	.....	½ mile.
South peak of large barn	336	35	..	.....	⅜ mile.

ABER.

General locality.—Northwestern shore of Leeds Creek, about ¾ mile northeast of Miles River, on point at western side of entrance to a small cove. (See Chart No. 32.)

Immediate locality.—Observed station is on a point covered with cedar trees, about 2 feet above high water, 8 yards southwest of shore, 9 yards north of shore, and 9 yards northwest of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Two" (N 52° 56′ E)	0	00	00	.....	¼ mile.
Near peak of barn cupola	34	49	..	.....	¾ mile.
Right corner of large brick house	39	47	..	.....	½ mile.
Spindle on tower of house	81	41	..	.....	⅜ mile.
Weather vane on water tank	113	43	..	.....	1¼ miles.
Nail in blaze in cedar tree (8 inches diameter)	219	11	50	.....	2.27 meters.
Nail in blaze in cedar tree (4 inches diameter)	242	01	40	.....	7.90 meters.
Nail in blaze in cedar tree (17 inches diameter)	275	09	10	.....	16.97 meters.
South peak of large barn	308	20	..	.....	¼ mile.

TWO.

General locality.—Northwestern shore of Leeds Creek on a point, about 1 mile northeast of Miles River, and at southern side of entrance to a small cove. (See Chart No. 32.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 5 yards west of shore, 6 yards northeast of shore, 7 yards north of extreme end of point, and 25 yards southeast of woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Face" (S 51° 58′ E)	0	00	00	. .	¼ mile.
Right peak of barn cupola	30	37	..	.....	½ mile.
Peak of tower on house	45	25	..	.....	⅝ mile.
Nail in blaze in water bush (2 inches diameter)	149	40	00	.....	6.23 meters.
Nail in blaze in water bush (2 inches diameter)	206	15	00	.....	3.02 meters.
Nail in blaze in water bush (2½ inches diameter)	228	32	50	.....	4.53 meters.
Left peak of large barn	277	05	..	.....	⅜ mile.
Cupola on large house	301	00	..	.....	1¼ miles.
Near peak of building	317	34	..	.....	¾ mile.
Left corner of large brick house	348	31	..	.....	⅜ mile.

FACE.

General locality.—Southeastern shore of Leeds Creek, about 1 mile northeast of Miles River, and near northeastern side of entrance to a small cove. (See Chart No. 32.)

Immediate locality.—Observed station is in a field about 5 feet above high water, 130 yards east of bank, 150 yards south of bank, 300 yards west-northwest of large brick house, and 110 yards north-northwest of two very large cedar trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Mais" (S 38° 30′ W)	0	00	00	.....	¼ mile.
Tangent of woods	8	57	..	.....	1 mile.
Left corner of house	81	46	..	.....	⅝ mile.
Right one of three large cedar trees	107	49	..	....	111 yards.
Near peak of house	168	33	..	.....	½ mile.
Brick smokestack at Tunis Mills	188	18	40	.....	1⅛ miles.
West peak of large barn	233	34	..	.....	400 yards.
Right corner of large brick house	250	38	..	.....	300 yards.
Left peak of barn cupola	314	32	..	.....	¼ mile.
Spindle on tower of house	342	36	..	.....	⅜ mile.

MAIS.

General locality.—Southeastern shore of Leeds Creek about ¾ mile northeast of Miles River and near point at southwestern side of entrance to a small cove. (See Chart No. 32.)

Immediate locality.—Observed station is in western corner of an orchard about 3 feet above high water, 10 yards southeast of top of bank, and 140 yards northwest of a large house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Beak" (S 40° 55′ W)	0	00	00	.....	¼ mile.
Nail in blaze in apple tree (6 inches diameter)	25	09	40	.....	4.78 meters.
South peak of large barn	115	22	..	.....	⅜ mile.
Nail in blaze in apple tree (6 inches diameter)	155	59	30	.....	8.19 meters.
Nail in blaze in apple tree (5 inches diameter)	244	28	30	.....	3.72 meters.
Spindle on tower of house	264	56	30	.....	137 yards.
Nail in blaze in poplar tree (8 inches diameter)	302	00	30	.....	14.08 meters.
Weather vane on water tank	313	52	30	.....	¾ mile.

BEAK.

General locality.—Southeastern shore of Leeds Creek about ¼ mile northeast of Miles River at southwestern side of entrance to a small cove. (See Chart No. 32.)

Immediate locality.—Observed station is near edge of pasture land about 3 feet above high water, 6 yards southwest of edge of bank, 12 yards south of point of bank, 10 yards southeast of edge of bank, 60 yards west of a small cove, and 25 yards northeast of a line of five poplar trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Rieman" (S 35° 51′ W)	0	00	00	¼ mile.
Cupola on St. Michaels primary school	18	43	..	2¼ miles.
Nail in blaze in poplar tree (6 inches diameter)	118	53	20	7.70 meters.
Weather vane on water tank	123	17	..	1 mile.
South peak of large barn	145	12	..	¾ mile.
Nail in blaze in hackberry tree (5 inches diameter)	190	23	20	7.77 meters.
Spindle on tower of house	200	49	..	¼ mile.
Southwest peak of large building	227	41	..	⅝ mile.
Nail in blaze in cedar tree (4 inches diameter)	241	19	50	13.42 meters.
Weather vane on tower	302	55	..	1½ miles.

RIEMAN.

General locality.—Southeastern shore of Leeds Creek about ¼ mile northeast of Miles River. (See Chart No. 32.)

Immediate locality.—Observed station is on small marsh point about 1 foot above high water, 3 yards south of shore, 3 yards northeast of shore, 6 yards east-southeast of extreme end of point, 12 yards west of large cedar tree on point 2 feet higher than station, and 13 yards west-southwest of two large cedar trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Leeds" (S 11° 28′ W)	0	00	00	¼ mile.
"St. Michaels P. E. Church Spire"	48	11	30	2 miles.
"St. Michaels Water Tank"	53	23	40	2 miles.
Left piazza post of Fogg cottage	57	38	..	1½ miles.
Left corner of chimney	157	41	..	¾ mile.
Near corner of house	201	57	..	1¼ miles.
Right corner of house	215	58	..	¾ mile.
Nail in blaze in cedar tree (20 inches diameter)	246	12	00	11.31 meters.
Nail in blaze in cedar tree (8 inches diameter)	274	45	10	16.86 meters.
Left corner of Rieman house	340	27	..	¼ mile.

LEEDS.

General locality.—Eastern shore of Miles River at southern side of entrance to Leeds Creek. (See Chart No. 32.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 11 yards southeast of shore, 23 yards northeast of shore, 27 yards east-northeast of extreme end of point, and 200 yards west-northwest of a large house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Stony" (S 13° 40′ W)	0	00	00	.....	1½ miles.
Near peak of large house	13	07	..	.....	1½ miles.
Cupola on schoolhouse	49	19	..	.....	1⅞ miles.
"St. Michaels Water Tank"	57	40	20	.....	1⅞ miles.
Weather vane on Dodson house	103	40	..	.....	1¼ miles.
Chimney of small house	166	12	..	.....	⅞ mile.
Near peak of Rieman house	287	07	..	.....	⅛ mile.
Tangent of point	347	12	..	.....	27 yards.

JOHNSON.

General locality.—Northwestern shore of Miles River on a point about ¾ mile west-southwest of Miles River Bridge. (See Charts Nos. 32 and 34.)

Immediate locality.—Observed station is on a lawn about 10 feet above high water, 3 yards north-northwest of top of bank, 60 yards northeast of cedar tree 20 inches in diameter in clump of six cedar trees near boat landing, and 74 meters southeast of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Lowndes" (N 72° 02′ E)	0	00	00	.....	½ mile.
Windmill on tower	11	40	..	.....	⅞ mile.
Left corner of large chimney outside of house	35	09	..	.....	¾ mile.
Nail in blaze in pine tree (14 inches diameter)	48	12	30	.....	11.03 meters.
Spindle on left cupola of barn	101	51	..	.....	½ mile.
Right corner of Mumford house	114	49	..	.....	½ mile.
Nail in blaze in elm tree (6 inches diameter)	142	55	10	.....	10.58 meters.
Left side of cedar tree (20 inches diameter)	136	40	..	.....	57 yards.
Near peak of Dorrance house	154	16	..	.....	⅜ mile.
Southeast peak of Crown house	182	45	..	.....	¼ mile.
Left corner of second story of Lowndes house	226	54	..	.....	74 meters.
Right corner of house	263	09	..		
Nail in blaze in elm tree (5 inches diameter)	298	45	40	.....	16.11 meters.
Windmill on tower	340	31	..	.....	1 mile.
Windmill on tower	346	53	..	.....	¾ mile.

LOWNDES.

General locality.—Northwestern shore of Miles River about ¼ mile southwest of Miles River Bridge. (See Chart No. 32.)

Immediate locality.—Observed station is on a rounded point of marsh about 1 foot above high water, 7 yards northwest of shore, 8 yards west of shore, 9 yards north of shore, 16 yards east-northeast of shore, and 65 yards east-southeast of small locust trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Draw" (N 35° 59′ E)	0	00	00	.....	¼ mile.
Right corner of Lockwood house	27	45	..	.....	¾ mile.
Right corner of drawtender's house	51	42	..	.....	¼ mile.
Henderson windmill	68	50	..	.....	¼ mile.
Near peak of large house	116	51	..	.....	¼ mile.
Right corner of large house	200	22	..	.....	2 miles.
Nail in blaze in locust tree (6 inches diameter)	294	42	30	.....	19.17 meters.
Windmill at "The Anchorage"	342	47	..	.....	⅛ mile.
Near corner of "The Anchorage"	348	50	..	.....	⅛ mile.
Left corner of second story of Goldsborough house	359	59	..	.....	⅜ mile.

DRAW.

General locality.—Northwestern shore of Miles River at northwest end of Miles River Bridge and near old Episcopal Church. (See Chart No. 32.)

Immediate locality.—Observed station is on lawn of "The Anchorage" about 4 feet above high water, 9 yards west of plank sea wall, 40 yards southwest of approach to bridge, 60 yards north of corner of plank sea wall, and 85 yards east of a house.

Marks.—Observed station is center point of triangle on standard cement monument with top 5 inches below surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Chap" (N 59° 04′ E)	0	00	00	¼ mile.
Spike in sea wall post	7	12	10	7.72 meters.
Near peak of Lockwood boat landing	10	15	..	⅛ mile.
Right corner of second story of Lockwood house	15	54	..	½ mile.
Spindle on barn cupola	54	46	..	⅜ mile.
Spike in sea wall post	78	53	00	12.03 meters.
Right corner of second story of Henderson house	87	00	..	¼ mile.
Nail in blaze in maple tree (12 inches diameter)	131	48	50	14.15 meters.
Left corner of log cabin	193	18	..	112 yards.
Nail in blaze in maple tree (12 inches diameter)	195	05	20	14.61 meters.
Right corner main house at "The Anchorage"	218	17	..	84 yards.
Nail in blaze in pear tree (10 inches diameter)	254	46	30	7.63 meters.
Right corner of old Episcopal Church	302	34	..	120 yards.
Spike in sea-wall post	325	20	10	15.32 meters.
Windmill on tower	331	51	..	¼ mile.
Lightning rod on tower of Goldsborough house	338	00	..	¼ mile.
Corner of stone bridge abutment	354	09	..	43 yards.

CHAP.

General locality.—Northwestern shore of Miles River opposite point between Glebe Creek and Goldsboro Creek, about ¼ mile northeast of Miles River Bridge. (See Chart No. 32.)

Immediate locality.—Observed station is on point about 2 feet above high water, 5 yards west of shore, 7 yards northeast of shore, and 9 yards north-northwest of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Villa" (S 61° 08′ E)	0	00	00	⅜ mile.
Right corner of 2½-story house	48	27	..	¼ mile
Left peak of boathouse at "The Anchorage"	112	11	..	¼ mile
Left corner of "The Anchorage"	123	26	..	¼ mile.
Left corner of old Episcopal Church	129	12	..	¼ mile.
Nail in blaze in locust tree (5 inches diameter)	165	37	50	13.65 meters.
Left corner of Goldsborough house	203	39	..	⅛ mile.
Nail in blaze in locust tree (8 inches diameter)	205	20	00	9.07 meters.
Windmill on tower	210	27	..	⅛ mile.
Nail in blaze in locust tree (8 inches diameter)	234	21	30	13.39 meters.
Right peak of brick house	275	28	..	⅜ mile.
Near peak of wharf house	329	55	..	⅛ mile.

VILLA.

General locality.—Southeastern shore of Miles River at northern side of entrance to Glebe Creek, about ⅜ mile east of Miles River Bridge. (See Chart No. 32.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 11 yards northwest of shore, 17 yards southeast of shore, 30 yards west by south of extreme end of point of marsh, 75 yards northeast of shore, and southwest of a few small trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Easton" (S 70° 44′ W)	0	00	00	⅜ mile.
Spindle on cupola of barn near "The Anchorage"	16	25	..	⅝ mile.
Windmill at "The Anchorage"	20	25	..	⅝ mile.
Left corner of tower of old Episcopal Church.	25	13	..	⅝ mile.
Left corner of modern house	54	07	..	⅜ mile.
Windmill on tower	57	49	..	½ mile.
Nail in blaze in locust tree (8 inches diameter)	67	52	00	17.83 meters.
Left corner of "The Villa"	103	42	..	⅜ mile.
Nail in blaze in locust tree (4 inches diameter)	119	43	00	19.86 meters.
Nail in blaze in persimmon tree (8 inches diameter)	169	12	00	26.23 meters.
Right corner of large house	223	26	..	⅜ mile.
Tongue of bell	278	19	..	¼ mile.
Right corner of Henderson house	347	37	..	⅜ mile.

EASTON.

General locality.—Southeastern side of Miles River on southeastern approach to Miles River Bridge. (See Chart No. 32.)

Immediate locality.—Observed station is on southwest side of cribwork retaining a shell road, 6 inches from downstream edge of cribwork, 7 yards southwest of upstream edge of cribwork, 25 yards southeast of corner of cribwork abutment, 30 yards northwest of extended line of Henderson sea wall, 9 yards southwest by south of nails in side of telephone pole on upstream side of bridge, and 45 yards northwest by west of first telephone pole southeast of bridge on northeastern side of road.

Marks.—Observed station is spindle, 1 inch diameter, on top of 3-inch square timber.

References.—None necessary.

HENDERSON.

General locality.—Southeastern shore of Miles River on a point about ¼ mile southwest of Miles River Bridge. (See Charts Nos. 32 and 34.)

Immediate locality.—Observed station is on a hard marsh point about 1 foot above high water, 6 yards southeast of shore, 8 yards south of shore, 13 yards east of shore, 23 yards north-northeast of point of higher land, and 15 yards north of trees along bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Bethel" (S 65° 49′ W)	0	00	00	⅜ mile.
Left corner of second story of Lowndes house.	25	54	..	⅝ mile.
Peak of near gable of house	40	54	..	⅜ mile.
Windmill at "The Anchorage"	101	51	..	⅜ mile.
Right corner of old Episcopal Church tower..	112	06	..	⅜ mile.
Left corner of Goldsborough house	129	54	..	⅝ mile.

References—Continued.

	°	′	″		
Henderson windmill	174	47	..	.....	⅛ mile.
Nail in blaze in wild-cherry tree (5 inches diameter)	258	17	30	.....	16.25 meters.
Nail in blaze in locust tree (5 inches diameter)	306	43	40	.....	13.76 meters.
Nail in blaze in wild-cherry tree (7 inches diameter)	336	10	10	.....	21.71 meters.

ST. MICHAELS WATER TANK.

General locality.—Western side of Miles River in town of St. Michaels, on north side of Railroad Avenue, near African M. E. Church. (See Charts Nos. 32 and 34.)

Immediate locality.—Observed station is on top of a 60,000-gallon water tank on a steel tower 90 feet high.

Marks.—Observed station is spindle on center of top of water tank.

References.—None necessary.

MILLWIND.

General locality.—Western shore of Miles River at south side of entrance to Long Haul Creek, about ⅞ mile northeast of St. Michaels Water Tank and ⅝ mile south of Deep Water Point. (See Chart No. 32.)

Immediate locality.—Observed station is on edge of cultivated field about 8 feet above high water, 2 yards west of edge of bank, 17 yards south of edge of bluff, and 18 yards south by west of junction of bush-covered bank and washed bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"St. Michaels Water Tank" (S 49° 19′ W.)	0	00	00	.....	⅞ mile.
Largest one of group of 3 cherry trees	26	45	..	.....	80 yards.
Nail in blaze in cedar tree (12 inches diameter)	69	00	00	.....	38.94 meters.
Square chimney of Barnard house	88	46	..	.....	½ mile.
Weather vane on square tower on house on Deep Water Point farm	125	13	..	.....	¾ mile.
North peak of house	168	00	..	.....	1¾ miles.
Left chimney of Rieman house	221	09	..	.....	1¼ miles.
Right chimney of large modern house on Hunting Creek	246	41	..	.....	2½ miles.
Steeple on building	272	37	..	.....	4 miles.
Nail in blaze in cedar tree (10 inches diameter)	310	07	00	.....	5.28 meters.
Union M. E. Church spire	358	26	20	.....	¾ mile.

DEEWAT.

General locality.—Western shore of Miles River on Deep Water Point, about ⅞ mile west-northwest of Fairview Point. (See Chart No. 32.)

Immediate locality.—Observed station is on sand and grass point about 2 feet above high water, 8 yards southwest of shore, 7 yards northwest of shore, and 10 yards west of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"St. Michaels Water Tank" (S 33° 08′ W)	0	00	00	.....	1½ miles.
Weather vane on Dodson house	53	13	..	.....	¼ mile.
Tangent of Tilghmans Point	117	58	..	.....	4⅝ miles.
Right tangent of Parsons Island	133	28	..	.....	7⅛ miles.
Large square chimney of Starr house	179	59	..	.....	2⅝ miles.
Large chimney of house	212	08	..	.....	1⅞ miles.
Cupola on Rieman house	271	59	..	.....	1¼ miles.
Tangent of Long Point	287	02	..	.....	3¼ miles.
Steeple	295	04	..	.....	4½ to 5 miles.
Large chimney of house	297	41	..	.....	2⅞ miles.
Large chimney of house	309	30	..	.....	2⅜ miles.
"St. Michaels P. E. Church spire"	353	40	40	.....	1⅝ miles.

SPAR.

General locality.—Southwestern shore of Miles River, about 1 mile southeast of entrance to Hambleton Creek and ⅜ mile northwest of Deep Water Point. (See Chart No. 32.)

Immediate locality.—Observed station is on cedar and locust fringed shore, about 4 feet above high water, 11 yards west of shore, 12 yards southwest of shore, and 15 yards south of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Sara" (N 39° 19′ W)	0	00	00	.....	1 mile.
Chimney of house on Tilghmans Point farm	1	19	..	.....	4 miles.
Near peak of barn beyond Herring Island	42	38	..	.....	8¾ miles.
Nail in blaze in oak tree (3 inches diameter)	54	59	00	.....	4.52 meters.
Right tangent of chimney	125	32	..	.....	1¼ miles.
Tangent of Deep Water Point	181	22	..	.....	⅜ mile.
Nail in blaze in locust tree (3 inches diameter)	240	08	40	.....	6.84 meters.
Nail in blaze in locust tree (4 inches diameter)	279	53	30	.....	3.58 meters.

SARA.

General locality.—Southwestern shore of Miles River, about 3¼ miles south-southeast of northern end of Tilghmans Point, 1¼ miles southwest of Herring Island, and on point at eastern side of entrance to Hambleton Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in a cultivated field about 15 feet above high water, 16 yards southwest of a bluff 12 feet high with uniform slope to shore, and 20 yards east of depression 4 feet deep.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Wood" (N 52° 14′ E)	0	00	00	.....	2 miles.
West chimney of house	127	40	..	.....	½ mile.
Nail in blaze in hackberry tree (12 inches diameter)	158	58	50	.....	22.02 meters.
Nail in blaze in cedar tree (12 inches diameter)	204	12	50	.....	12.66 meters.
Right tangent of Tilghmans Point	282	58	..	.....	3¼ miles.
"Parsons Island Water Tank"	297	11	..	.....	6⅛ miles.
South gable of barn	315	40	..	.....	8 miles.
South gable of house	323	03	..	.....	6 miles.
South gable of barn	340	49	..	.....	4 miles.

SETH.

General locality.—Southwestern shore of Miles River, on a point about 2½ miles south of northern end of Tilghmans Point and ¾ mile northwest of entrance to Porters Creek. (See Chart No. 32.)

Immediate locality.—Observed station is in clump of cedar trees about 12 feet above high water, 9 yards southwest of top of vertical bank, washed by high water, 50 yards northwest of extreme end of point, and 400 yards northeast of a house. Cement monument marking reference station is 9.56 meters S 67° 41′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 12 inches above surface of ground.

References.—

	°	′	″		
"Herr" (N 79° 07′ E)	0	00	00	.....	2 miles.
Nail in blaze in cedar tree (12 inches diameter)	145	20	20	.....	10.89 meters.
REFERENCE STATION	168	34	30	.....	9.56 meters.
Nail in blaze in cedar tree (6 inches diameter)	219	59	45	.....	4.44 meters.
South gable of house	282	12	..	.....	5½ miles.
South gable of barn	305	34	..	.....	6 miles.
West gable of house	312	30	..	.....	6 miles.
Cupola on barn	356	52	..	.....	3 miles.

PEARSON.

General locality.—Western shore of Miles River on Tilghmans Point about ⅜ mile south-southeast of northern end of point. (See Chart No. 32.)

Immediate locality.—Observed station is on wooded bluff about 20 feet above high water, 5 yards west of top of vertical bank at shore, and 100 yards north of first point south of northern end of Tilghmans Point. Cement monument marking reference station is 12.66 meters N 86° 03′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 6 inches above surface of ground.

References.—

	°	′	″		
"Green" (N 45° 46′ E)	0	00	00	.....	3⅜ miles.
South gable of barn	1	14	..	.....	5 miles.
South chimney of house	11	48	..	.....	3½ miles.
West chimney of house	26	31	..	.....	2⅞ miles.
West gable of barn	62	31	..	.....	3½ miles.
East gable of barn	76	09	..	.....	4 miles.
West chimney of house	111	30	..	.....	3¼ miles.
North chimney of house	125	20	..	.....	3⅛ miles.
Chimney of house	130	36	..	.....	2½ miles.
Nail in blaze in white oak tree (8 inches diameter)	178	09	40	.....	5.31 meters.
REFERENCE STATION	228	11	00	.....	12.66 meters.
Nail in blaze in white oak tree (12 inches diameter)	239	19	20	.....	9.99 meters.
South gable of house on Parsons Island	317	17	..	.....	3½ miles.
South gable of barn	350	02	..	.....	4⅜ miles.

DIXON.

General locality.—Southeastern side of Eastern Bay on Tilghmans Point about half way between Eastern Bay and Miles River ¾ mile southwest of northern end of point and 1⅝ miles northeast of Claiborne Wharf. (See Chart No. 32.)

Immediate locality.—Observed station is on top of a 2-story square frame house on Tilghmans Point farm.

Marks.—Observed station is center of upright staff, 3 inches square, set in the center of trapdoor at apex of square roof.

References.—None necessary.

ROD.

General locality.—Eastern shore of the upper part of Harris Creek on southeastern side of entrance to Northeast Branch. (See Charts Nos. 32 and 34.)

Immediate locality.—Observed station is in a cultivated field about 10 feet above high water, 5 yards southeast of shore, and 2 yards southeast of top of bank with uniform slope to shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Otto" (S 0° 41′ W)	0	00	00	⅜ mile.
North chimney of house	5	31	..	1¼ miles.
East chimney of house at Bozman	14	01	..	2¾ miles.
East gable of small barn	92	12	..	¾ mile.
North chimney of Warner House	108	42	..	¾ mile.
Cupola on tin-roofed barn	139	52	..	¾ mile.
Right tangent of barn	186	26	..	1½ miles.
South chimney on Harrison house	218	06	..	250 yards.
West gable of barn	300	37	..	¾ mile.
Lone persimmon tree (12 inches diameter)	355	01	..	250 yards.

OTTO.

General locality.—Eastern shore of upper Harris Creek about ½ mile south of junction of Northeast Branch and Northwest Branch. (See Charts Nos. 32 and 34.)

Immediate locality.—Observed station is in a cultivated field about 8 feet above high water, 18 yards east of top of vertical bank 6 feet high washed by high water, and 100 yards north of old fence covered with vines.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Miller" (S 11° 56′ E)	0	00	00	¼ mile.
Nail in blaze of locust tree (4 inches diameter)	18	18	10	28.03 meters.
North chimney of Bridges house	43	27	..	2½ miles.
East chimney of Harrison house	56	53	..	1 mile.
Nail in blaze in one of twin locust trees (15 inches diameter)	70	39	40	12.67 meters.
Left tangent of Seth bathhouse	92	43	..	¼ mile.
South gable of Warner barn	145	31	..	1 mile.
East chimney of house	158	52	..	1¾ miles.
Cupola on tin-roofed barn	166	16	..	1 mile.
South chimney of Marion Harrison house	204	00	..	¾ mile.
North chimney of house	264	37	..	¾ mile.
North gable of barn	357	54	..	¼ mile.

HADDAWAY.

General locality.—Eastern shore of Chesapeake Bay on Lows Point between Harbor Cove and Haddaway Cove about 2 miles east of north end of Poplar Island. (See chart No. 33.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 65 yards north of shore, 100 yards south of shore, 140 yards east of shore, and 25 yards west of woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Valliant" (S 82° 08′ W)	0	00	00	.....	2⅝ miles.
Left peak of barn on Poplar Island	0	21	..	.....	2⅜ miles.
"Bloody Point Bar Light"	60	23	10	.....	5 miles.
Left chimney on large house	80	54	..	.....	6 miles.
Chimney on middle of large house	87	14	..	.....	5¾ miles.
Peak of house between two chimneys	109	00	..	.....	9½ miles.
Chimney of two-story house	125	55	..	.....	4 miles.
"Kemp Tower"	127	16	50	.....	4¼ miles.
Nail in blaze in pine tree (14 inches diameter)	139	39	50	.....	36.78 meters.
Nail in blaze in pine tree (12 inches diameter)	164	52	10	.....	28.77 meters.
Nail in blaze in pine tree (8 inches diameter)	213	45	20	.....	24.66 meters.
Chimney on ell of house	275	10	..	.....	1⅜ miles.
Chimney of house on Poplar Island	330	29	..	.....	2¼ miles.
Chimney of house on Poplar Island	359	01	..	.....	2⅜ miles.

VALLIANT.

General locality.—Eastern side of Chesapeake Bay on western shore of Poplar Island about ¾ mile southwest of extreme north end of island. (See Chart No. 33.)

Immediate locality.—Observed station is in cultivated land about 5 feet above high water, 15 yards north by east of a line of small trees, 72 yards east by south of shore at end of line of trees, and 210 yards south by west of point of woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Bloody Point Bar Light" (N 4° 58′ W)	0	00	00	.....	4½ miles.
Near peak of large building	14	07	..	.....	5 miles.
Near chimney of large house	19	57	..	.....	6⅛ miles.
Near corner of shanty in field	81	17	..	.....	200 yards.
Chimney of house	94	31	..	.....	¼ mile.
Flagstaff on Lowes Wharf	100	59	..	.....	3 miles.
Chimney of house on point behind trees	122	35	..	.....	2¾ miles.
Chimney of small house	164	34	..	.....	⅜ mile.
Nail in blaze in peach tree (4 inches diameter)	176	13	44	.....	15.14 meters.
Nail in blaze in persimmon tree (3 inches diameter)	230	44	00	.....	11.90 meters.
Nail in blaze in peach tree (2½ inches diameter)	262	51	30	.....	17.83 meters.

POPLAR SOUTH.

General locality.—Eastern side of Chesapeake Bay on Poplar Island on a point of land at southern side of Poplar Island Harbor. (See Chart No. 33.)

Immediate locality.—Observed station is on a sandy marsh about 1 foot above high water, 7 yards west-southwest of shore of harbor, 16 yards east-northeast of bay shore, 60 yards north-northwest of extreme point of largest one of the group of islands known as Poplar Island, and 11 yards north of a lone pine tree.

Marks.—Obseved station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Sharps Island Light" (S 1° 06′ E)	.0	00	00	.....	8 miles.
Near peak of house	49	34	..	.....	11⅛ miles.
Left tower of hotel	61	47	..	.....	9½ miles.
Left tangent of house	79	30	..	.....	9½ miles.
Left tangent of house	101	47	..	.....	9 miles.
East peak of Howeth house	157	38	..	.....	⅝ mile.
Lightning rod near east chimney of house	189	25	..	.....	1⅜ miles.
Right chimney of Valliant house	208	11	..	.....	¾ mile.
"Kemp Tower"	221	57	10	.....	6½ miles.
Left corner of left oyster house at Lowes Wharf	254	53	..	.....	2⅞ miles.
Chimney of house	262	14	..	.....	2¾ miles.
Square cupola	336	05	..	.....	5 miles.
High cupola	336	10	..	.....	5 miles.
Nail in blaze in pine tree (12 inches diameter)	345	01	30	.....	10.89 meters.

GREAT.

General locality.—Eastern shore of Chesapeake Bay on Great Marsh Point about 1 mile east of southeast end of Poplar Island. (See Chart No. 33.)

Immediate locality.—Observed station is on marsh point about 2 feet above high water, 40 yards east of shore, 40 yards southeast of shore, 50 yards northeast of shore, and 250 yards from woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Sharps Island Light" (S 13° 18′ W)	0	00	00	.....	7¾ miles.
Howeth house	101	17	..	.....	2⅜ miles.
Near peak of house on Poplar Island	121	51	..	.....	2½ miles.
"Bloody Point Bar Light"	142	18	30	.....	6½ miles.
Right end of house	295	30	..	.....	1 mile.
Near peak of house	324	02	..	.....	¼ mile.
Chimney of house	340	51	..	.....	¾ mile.

FRONT.

General locality.—Eastern shore of Chesapeake Bay about ¼ mile north of entrance to Front Creek, ⅞ mile north of Knapps Narrows, and 1½ miles southeast of southeast end of Poplar Island. (See Chart No. 33.)

Immediate locality.—Observed station is about 3 feet above high water, 13 yards north-northeast of shore, 18 yards southeast of shore, 25 yards east of extreme end of point, and near several dead trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Sharps Island Light" (S 15° 04′ W)	0	00	00	.....	6½ miles.
Chimney of house	127	59	..	.....	3¼ miles.
Right peak of Valliant house	129	49	..	.....	2¾ miles.
"Bloody Point Bar Light"	144	10	30	.....	7⅜ miles.
Nail in blaze in pine tree (5 inches diameter)	223	49	20	.....	14.54 meters.
Nail in blaze in pine tree (4 inches diameter)	274	37	40	.....	11.82 meters.
Nail in blaze in pine tree (4 inches diameter)	317	37	20	.....	11.95 meters.
Near peak of large barn	334	58	..	.....	1 mile.

WAP.

General locality.—Eastern shore of Chesapeake Bay on a point about 4¾ miles north by east of Sharps Island Light and 1 mile south of Knapps Narrows. (See Chart No. 33.)

Immediate locality.—Observed station is on a point about 3 feet above high water, 56 yards east of extreme end of point, 68 yards north by east of shore, 83 yards south by west of shore, and 3 yards west-northwest of edge of cultivated land.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Sharps Island Light" (S 18° 04′ W)	0	00	00	.....	4¾ miles.
Nail in blaze in pine tree (6 inches diameter)	16	57	00	.....	32.99 meters.
East chimney of Howeth house	136	00	..	.....	4⅜ miles.
Chimney of house	181	12	..	.....	1½ miles.
Near peak of house showing over woods	200	01	..	.....	⅛ mile.
Nail in blaze in persimmon tree (10 inches diameter)	203	54	30	.....	61.86 meters.
Nail in blaze in persimmon tree (5 inches diameter)	279	10	00	.....	61.23 meters.
West peak of large house	305	27	..	.....	⅜ mile.
Square cupola	322	20	20	.....	1 mile.
High cupola	323	05	30	.....	1 mile.
Chimney of house with three side gables	335	49	..	.....	⅞ mile.
Right tangent of point	347	09	..	.....	1⅜ miles.
Left tangent of old hotel building on Sharps Island	350	35	40	.....	6 miles.

SOUTHERN M. E. CHURCH.

General locality.—Eastern shore of Chesapeake Bay on Tilghman Island about 1¾ miles north of Blackwalnut Point and 2 miles south of Knapps Narrows. (See Chart No. 33.)

Immediate locality.—Observed station is about ¼ mile inshore from Chesapeake Bay on west side of main road on building known as the St. Johns Chapel (Southern M. E. Church).

Marks.—Observed station is center of bell cupola on church.

References.—None necessary.

BLACK.

General locality.—Eastern shore of Chesapeake Bay on Blackwalnut Point at north side of entrance to Choptank River about 2¾ miles northeast of Sharps Island Light. (See Charts Nos. 33 and 36.)

Immediate locality.—Observed station is in cultivated land about 8 feet above high water, 35 yards east-northeast of edge of bank, 45 yards west of edge of bank, 65 yards northwest of edge of bank, and 130 yards south of a lone apple tree.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Sharps Island Light" (S 43° 37′ W)	0	00	00	.....	2¾ miles.
Near peak of old house	123	10	..	.....	½ mile.
Lone apple tree	133	16	..	.....	131 yards.
Chimney of house among trees	145	38	..	.....	1¾ miles.
Right chimney of house near water	163	31	..	.....	1 mile.
Right chimney of large house	211	27	..	.....	7 miles.
"Choptank River Light"	232	11	30	.....	8½ miles.
Near peak of barn	253	22	..	.....	6 miles.
Left chimney of house	270	12	..	.....	3⅞ miles.
Chimney outside left end of house	283	35	..	.....	7 miles.
Near peak of old hotel building on Sharps Island	337	47	..	.....	3½ miles.

SHARPS ISLAND LIGHT.

General locality.—Eastern side of Chesapeake Bay off entrance to Choptank River, about 1 mile north-northwest of Sharps Island and 2⅝ miles southwest of Blackwalnut Point. (See Charts Nos. 33 and 36.)

Immediate locality.—Observed station is on structure with a cylindrical foundation known as Sharps Island Light.

Marks.—Observed station is center point of lantern on Sharps Island Light.

References.—	°	′	″		
"Black" (N 43° 36′ E)	0	00	00	.....	2¾ miles.

JERE.

General locality.—Eastern side of Chesapeake Bay on Sharps Island, about 1½ miles south-southeast of Sharps Island Light. (See Charts Nos. 33 and 36.)

Immediate locality.—Observed station is on hard ground about 7 feet above high water, 95 yards south-southeast of old hotel building, 95 yards west-southwest of shore, 150 yards southwest of a point, and in such a position that Sharps Island Light shows to the right of the old hotel building.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Sharps Island Light" (N 24° 06′ W)	0	00	00	.....	1½ miles.
Church cupola	46	35	50	.....	5¼ miles.
Chimney on left end of roof of large house	47	44	..	.....	5 miles.
Chimney of large house	104	25	..	.....	4¼ miles.
Large chimney of large house	115	46	..	.....	4¾ miles.
Chimney on right end of large house	142	21	..	.....	5⅝ miles.
Near corner of house	346	59	..	.....	95 yards.

BAR.

General locality.—Western shore of entrance to Harris Creek on Upper Bar Neck Point about 1¾ miles north-northeast of Blackwalnut Point and 1½ miles south-southeast of Tilghman Island Wharf. (See Chart No. 33.)

Immediate locality.—Observed station is in cultivated field about 6 feet above high water, 3 yards west of edge of bank, and 60 yards north of line of trees at edge of marsh. Cement monument marking reference station is 45.81 meters S 83° 00′ W of observed station, nearly on line to large lone persimmon tree 15 inches diameter.

Marks.—Observed station is center of 4-inch tile pipe with top about 6 inches below surface of ground. Reference station is center point of triangle on standard cement monument projecting 6 inches above surface of ground.

References.—

	°	′	″		
"Large Water Tank" (S 61° 46′ E)	0	00	00	.....	9¼ miles.
Nail in blaze in oak stump	63	18	00	.....	51.17 meters.
Nail in blaze in wild cherry tree	78	58	40	.....	46.66 meters.
Nail in blaze in cedar tree	88	35	30	.....	47.69 meters.
Nail in blaze in lone persimmon tree	144	33	10	.....	49.48 meters.
REFERENCE STATION	144	46	00	.....	45.81 meters.
Right chimney of first house to right of woods	205	39	..	.....	⅜ mile.
Schoolhouse cupola	213	11	40	.....	1⅜ miles.
Stack of cannery	216	19	..	.....	1½ miles.
Stack of cannery	227	10	..	.....	1¾ miles.
Right chimney of house showing over woods	239	07	..	.....	2½ miles.
Neavitt schoolhouse cupola	269	25	..	.....	3¾ miles.
Chimney of house	276	58	..	.....	2½ miles.

M. E. CHURCH.

General locality.—Eastern shore of Chesapeake Bay on Tilghman Island, about 2¾ miles north of Blackwalnut Point and ¾ mile south of Knapps Narrows. (See Chart No. 33.)

Immediate locality.—Observed station is on main road about halfway between the shores of Chesapeake Bay and Harris Creek, about ¼ mile east of Tilghman Island Wharf on building known as Tilghman Island M. E. Church.

Marks.—Observed station is center of small square cupola on church.

References.—None necessary.

AVALON.

General locality.—Western shore of Harris Creek on Tilghman Island on point about 100 yards north of shore end of Tilghman Island Wharf. (See Chart No. 33.)

Immediate locality.—Observed station is on marsh and clay point, about 1 foot above high water, 9 yards south of shore, 12 yards northwest of shore, 20 yards north-northwest of northeast corner of a house, about 1 yard east of produced line of end of house, 10 yards north of 2 pine trees, and 6 yards north-northwest of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Narrows" (N 34° 29′ E)	0	00	00	.....	¾ mile.
Near peak of house with 2 chimneys	2	47	..	.....	3¾ miles.
Stack of cannery on wharf	8	34	..	.....	¼ mile.
Near peak of house with 2 chimneys	35	40	..	.....	2⅛ miles.
Chimney next to skylight on highest house on Tilghman Island Wharf	80	38	..	.....	¼ mile.
Stack of cannery	150	07	..	.....	¼ mile.
Nail in blaze in pine tree (14 inches diameter)	154	00	30	.....	10.21 meters.
Northeast corner of a house	161	11	50	.....	17.24 meters.
Nail in blaze in northwest side of pine tree (15 inches diameter)	181	14	00	.....	9.81 meters.
Nail in blaze in cherry tree (12 inches diameter)	224	12	30	.....	10.66 meters.
Lightning rod on east peak of house	243	47	..	.....	150 yards.
Weather vane on schoolhouse	270	59	10	.....	¼ mile.
Near peak of house with chimney	322	18	..	.....	300 yards.

SCHOOLHOUSE CUPOLA.

General locality.—Eastern shore of Chesapeake Bay on Tilghman Island about 3 miles north of Blackwalnut Point and ¼ mile south of Knapps Narrows. (See Chart No. 33.)

Immediate locality.—Observed station is on main road about halfway between the shores of Chesapeake Bay and Harris Creek about ⅜ mile northwest of Tilghman Island Wharf on schoolhouse building.

Marks.—Observed station is center of bell cupola on schoolhouse.

References.—None necessary.

PEOPLES CHAPEL.

General locality.—Eastern shore of Chesapeake Bay on Tilghman Island about 3¼ miles north of Blackwalnut Point and ¼ mile south of Knapps Narrows. (See Chart No. 33.)

Immediate locality.—Observed station is in the town of Tilghman about ½ mile north of Tilghman Island Wharf on building known as Peoples Chapel.

Marks.—Observed station is center of small square cupola on chapel.

References.—None necessary.

NARROWS.

General locality.—Western shore of Harris Creek about ¼ mile northeast of east entrance to Knapps Narrows, and 1¼ miles west of Change Point. (See Chart No. 33.)

Immediate locality.—Observed station is in cultivated field back of a fringe of trees about 6 feet above high water, 45 yards west-northwest of shore, 15 yards west-northwest of edge of field, 90 yards south-southwest of corner of field, and 145 yards northeast of a point of bank where wire fence meets trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Eagle" (N 37° 30′ E)	0	00	00	1 mile.
Near peak of Morris House with two chimneys	0	41	..	2⅜ miles.
Nail in blaze in wild-cherry tree (6 inches diameter)	23	33	40	22.07 meters.
Near peak of Wayman house	56	08	..	1½ miles.
Nail in blaze in mulberry tree (7 inches diameter)	80	59	10	12.90 meters.
"Choptank River Light"	88	32	00	8¾ miles.
Nail in blaze in pine tree (12 inches diameter)	110	15	00	17.83 meters.
Near corner peak of house on Tilghman Island Wharf	160	59	..	¾ mile.
Left stack of cannery	172	51	..	1 mile.
Near peak of hotel with chimney almost in range	183	53	..	⅞ mile.
"Peoples Chapel"	206	48	40	⅝ mile.
Near peak of house with one chimney	284	38	..	⅜ mile.
Left peak of house	326	02	..	¼ mile.

EAGLE.

General locality.—Western shore of Harris Creek on Bald Eagle Point about ¾ mile west of Turkey Neck Point, and 2 miles north-northeast of Tilghman Island Wharf. (See Chart No. 33.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 2 yards west of shore, 45 yards north by west of point of marsh, 150 yards south by east of point of marsh, and 120 yards east of woods. Cement monument marking reference station is 15.41 meters S 88° 35′ W of observed station.

Marks.—Observed station is a nail in a cedar stub 4 inches diameter projecting 2 inches above surface of ground. Reference station is center point of triangle on standard cement monument projecting 6 inches above surface of ground.

References.—	°	′	″		
"Dunk" (N 0° 42′ E)	0	00	00	.....	1 mile.
Near peak of house on Indian Point	20	44	..	.....	1⅝ miles.
Square chimney of house with ell	46	03	..	.....	1⅜ miles.
Center of chimney of house among trees	86	17	..	.....	1¼ miles.
Large chimney of house	112	42	..	.....	1⅛ miles.
Right chimney of house	131	57	..	.....	1¼ miles.
Stack of cannery	213	34	..	.....	1⅛ miles.
REFERENCE STATION	267	52	50	.....	15.41 meters.
Near peak of house	342	51	..	.....	⅜ mile.

DUNK.

General locality.—Western shore of Harris Creek on Seths Point at northeast side of entrance to Dun Cove, about 3 miles from the Choptank River. (See Chart No. 33.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 6 yards northwest of shore, 23 yards north-northeast of point, 26 yards northeast of shore of Duns Cove, 12 yards west of shore of Harris Creek, 100 yards east of bushes extending north and south, and 250 yards east of woods. Cement monument marking reference station is 11.22 meters N 78° 54′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 4 inches above surface of marsh. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 6 inches above surface of ground.

References.—	°	′	″		
"Hawk" (N 2° 48′ W)	0	00	00	.....	½ mile.
Near peak of house with square chimneys	1	50	..	.....	1⅝ miles.
Near peak of roof of house with three chimneys	18	22	..	.....	2 miles.
Weathervane on right end of house with two chimneys	41	35	..	.....	1¾ miles.
Near peak of large barn	57	14	..	.....	1 mile.
Cupola on Neavitt School	129	32	30	.....	1⅜ miles.
Weathervane on middle of house with two chimneys	151	00	..	.....	1¾ miles.
Chimney on left end of house among trees	155	53	..	.....	2 miles.
Chimney at left of house among trees	204	26	..	.....	1½ miles.
REFERENCE STATION	283	54	20	.....	11.22 meters.
Brick house	338	06	..	.....	½ mile.
Left peak of old house	352	04	..	.....	⅜ mile.

HAWK.

General locality.—Western shore of Harris Creek about ½ mile north of Seths Point and ½ mile west of Indian Point. (See Chart No. 33.)

Immediate locality.—Observed station is in cultivated field about 4 feet above high water and 22 yards northwest of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Dunk" (S 2° 48′ E)	0	00	00	.....	½ mile.
Nail in blaze in mulberry tree (8 inches diameter)	21	00	30	.....	13.53 meters.
North chimney of Harrison house	47	04	..	.....	400 yards.
Dead pine tree with hawk nest in top	141	11	..	.....	¼ mile.
Cupola on house	168	35	..	.....	1¼ miles.

References—Continued.

	°	′	″	
South chimney of house	182	46	..	1⅛ miles.
Chimney of McQuay oyster house	227	23	..	1⅜ miles.
South gable of barn	252	12	..	1¹₄ miles.
North chimney of house	275	58	..	1 mile.
Nail in blaze in hackberry tree (10 inches diameter)	304	34	..	8.62 meters.
Chimney of house	312	35	..	1¼ miles.
North gable of barn	330	40	..	2¼ miles.

SMITH.

General locality.—Eastern shore of Harris Creek on Smith Point between Briary Cove and Waterhole Cove and about ¾ mile west-southwest of Little Neck Point. (See Chart No. 33.)

Immediate locality.—Observed station is on marsh point, about 1 foot above high water, and 6 yards west of shore. Cement monument marking reference station is 13.44 meters N 62° 39′ W of observed station.

Marks.—Observed station is nail in center of 3-inch stub projecting 1 foot above surface of ground. Reference station is center point of triangle on standard cement monument projecting 6 inches above surface of ground.

References.—

	°	′	″	
"Hawk" (S 12° 31′ W)	0	00	00	¾ mile.
Chimney of small house	3	01	..	1¼ miles.
North gable of barn	21	32	..	1 mile.
North chimney of house	26	39	..	¹₂ mile.
North edge of Lamdin house	73	32	..	½ mile.
REFERENCE STATION	104	49	40	13.44 meters.
South chimney of house	140	28	..	⅜ mile.
East chimney of house	174	38	..	¾ mile.
Chimney of house	206	27	..	2 miles.
West gable of McQuay oyster house	242	43	..	⅞ mile.
Chimney of McQuay house	247	39	..	⅞ mile.
Chimney of small house	270	46	..	¾ mile.
South chimney of Edmonds house	288	13	..	¾ mile.
North chimney of house	308	16	..	1 mile.

BRIARY.

General locality.—Western shore of Harris Creek, on a point at northeastern side of entrance to Briary Cove, about ⅜ mile west of Little Neck Point. (See Chart No. 33.)

Immediate locality.—Observed station is on a marsh point about 10 yards from extreme end of point.

Marks.—Observed station is center of 3-inch cedar stub projecting 8 inches above surface of ground.

References.—

NOTE.—This station was established in 1900 and was not reoccupied or re-marked during oyster survey, although relocated by concluded angles.

VINE.

General locality.—Western shore of Harris Creek about ¼ mile north-northwest of Little Neck Point. (See Charts Nos. 33 and 34.)

Immediate locality.—Observed station is in cultivated field about 7 feet above high water, 6 yards northwest of shore, and 3 yards northwest of top of vertical bank. Cement monument marking reference station is 15.86 meters N 67° 54′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—	°	′	″		
"Smith" (N [illegible]′ W	0	00	00	.....	¾ mile.
REFERENCE STATION	53	11	50	.....	15.86 meters.
Cupola on barn	59	52	..	.....	1 mile.
South gable of barn	91	31	..	.....	¾ mile.
Large pine tree	182	09	..	.....	100 yards.
North chimney of house	199	50	..	.....	1⅞ miles.
West chimney of house	210	28	..	.....	1⅜ miles.
"Bozman M. E. Church Spire"	213	43	..	.....	1⅜ miles.
Chimney of Bridges kitchen	217	27	..	.....	¾ mile.
West chimney of house	250	29	..	.....	½ mile.
North chimney of house	295	45	..	.....	½ mile.
West chimney of Edmonds house	309	43	..	.....	¾ mile.
Lomax windmill	326	00	..	.....	3½ miles.

CUMMINGS.

General locality.—Western shore of Harris Creek, on point on western side of entrance to Cummings Creek, about ½ mile north-northeast of Little Neck Point. (See Charts Nos. 33 and 34.)

Immediate locality.—Observed station is in a cultivated field about 10 feet above high water, 70 yards north of extreme end of point, and 50 yards northwest of lone pine tree near shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Dog" (N 49° 51′ E)	0	00	00	.....	⅜ mile.
West gable of barn at Bozman	52	24	..	.....	1¼ miles.
"Bozman M. E. Church spire"	56	36	..	.....	1⅛ miles.
West gable of house	60	30	..	.....	1¼ miles.
Lone pine tree near shore	75	31	..	.....	50 yards.
South chimney of house	122	51	..	.....	1½ miles.
West gable of McQuay oysterhouse	149	15	..	.....	½ mile.
Cupola on barn	225	28	..	.....	1¼ miles.
Cupola on barn	286	52	..	.....	1½ miles.
West chimney of house	297	13	..	.....	1 mile.
West chimney of house	337	32	..	.....	1¼ miles.

DAN.

General locality.—Eastern shore of Harris Creek on Little Neck Point about ¾ mile east-northeast of Smith Point. (See Charts Nos. 33 and 34.)

Immediate locality.—Observed station is on narrow neck of oyster shells, about 35 yards east of southwest corner of McQuay's oysterhouse, 60 yards east of the extreme west end of point, 25 yards west of bank at edge of woods, and 3 yards south of shell path to oysterhouse. Cement monument marking reference station is 21.37 meters S 69° 28′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 5 inches above surface of ground. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground.

References.—	°	′	″		
"Fox" (N 64° 54′ E)	0	00	00	.....	½ mile.
REFERENCE STATION	45	37	45	.....	21.37 meters.
Nail in blaze in persimmon tree (4 inches diameter)	50	32	00	.....	21.84 meters.
Nail in blaze in persimmon tree (6 inches diameter)	75	34	00	.....	22.99 meters.

References—Continued.

	°	′	″	
North chimney of Edmonds house	134	29	..	⅝ mile.
North gable of barn	166	20	..	2 miles.
Stack of cannery at Sherwood	190	40	..	1¼ miles.
Cupola on house	210	55	..	1¼ miles.
Chimney of small house	227	04	..	1¼ miles.
East gable of McQuay oysterhouse	237	37	..	35 yards.
Church spire at Wittman	292	46	..	2½ miles.
Chimney of small house	321	41	..	1½ miles.
Chimney of small house	355	49	..	1½ miles.

EDMOND.

General locality.—Eastern shore of Harris Creek, about ⅝ mile south-southwest of Little Neck Point, and ⅝ mile north-northeast of Indian Point. (See Chart No. 33.)

Immediate locality.—Observed station is in southwest corner of yard of a house about 15 feet above high water, 7 yards southeast of top of bank 15 feet high, and nearly on line with south side of house. Cement monument marking reference station is 16.56 meters S 59° 29′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument.

References.—

	°	′	″	
"Dan" (N 21° 25′ E)	0	00	00	⅝ mile.
Southwest corner of Edmonds house	83	52	..	35 yards.
REFERENCE STATION	99	00	10	16.56 meters.
North chimney on house	149	51	..	¾ mile.
North chimney of house	217	13	..	1¼ miles.
Chimney of house	245	25	..	1¼ miles.
Stack of cannery at Sherwood	261	14	..	1¼ miles.
Cupola on house	281	45	..	1⅝ miles.
East gable of tin-roof barn	316	25	..	1¼ miles.
East gable of McQuay's oysterhouse	357	49	..	⅝ mile.

WARRIOR.

General locality.—Western shore of Harris Creek on Indian Point, about 2½ miles north of Change Point. (See Chart No. 33.)

Immediate locality.—Observed station is in cultivated field about 7 feet above high water, 20 yards southeast of shore, 14 yards southeast of top of bank with uniform slope to shore, and 40 yards northeast of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Edmond" (N 29° 15′ E)	0	00	00	⅝ mile.
South gable of barn	14	20	..	½ mile.
East chimney of house	18	11	..	1 mile.
North chimney of house	55	57	..	⅝ mile.
South chimney of house	99	22	..	½ mile.
Chimney of house	110	02	..	1 mile.
North gable of barn	131	35	..	2 miles.
North chimney of house	234	03	..	¾ mile.
Cupola on house	267	12	..	1¼ miles.
South chimney of house	307	56	..	2 miles.
West gable of tin-roof barn	323	41	..	2¼ miles.
Chimney on McQuay oysterhouse	354	38	..	1⅛ miles.

BALL.

General locality.—Eastern shore of Harris Creek about ¾ mile south-southeast of Indian Point and 1 mile north of Turkey Neck Point. (See Chart No. 33.)

Immediate locality.—Observed station is in cultivated field about 10 feet above high water, 15 yards east of shore, 8 yards from top of bank, and 50 yards north of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Eagle" (S 45° 39′ W)	0	00	00	1¼ miles.
North chimney of house	13	27	..	1⅛ miles.
South chimney of brick house	72	08	..	1¼ miles.
Chimney of house	91	35	..	1¾ miles.
Stack of cannery at Sherwood	93	42	..	1¾ miles.
Cupola on house	101	21	..	2½ miles.
North gable of barn	168	26	..	400 yards.
Northwest corner of Ball house	294	38	..	49 yards.
North gable of house	310	45	..	⅜ mile.
Right tangent of Turkey Point	322	24	..	1⅛ miles.
Stack of cannery at Tilghman Island	353	02	..	3⅛ miles.

HEN.

General locality.—Eastern shore of Harris Creek on Turkey Neck Point about ¾ mile north of Change Point. (See Chart No. 33.)

Immediate locality.—Observed station is in a cultivated field about 8 feet above high water, 9 yards southeast of edge of bank, 17 yards east by north of point of bank at line of trees, and 16 yards east-northeast of edge of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Change" (S 6° 09′ E)	0	00	00	⅝ mile.
Nail in blaze in cedar tree	26	39	10	15.57 meters.
Nail in blaze in cedar tree	53	33	50	15.29 meters.
Stack of cannery	64	03	..	2¼ miles.
Lomax windmill	87	47	20	1½ miles.
Left peak of house with two chimneys	129	47	..	1 mile.
Left chimney of brick house	157	58	..	1⅞ miles.
Tower of house	166	56	..	3 miles.
Near chimney of house	193	40	..	1¾ miles.
Near peak of house	245	28	..	⅜ mile.
Right peak of house	308	30	..	⅜ mile.
Nail in blaze in locust tree	350	22	00	22.85 meters.

CHANGE, 1910.

General locality.—Eastern shore of Harris Creek on Change Point about 1½ miles east of Knapps Narrows. (See Charts Nos. 33 and 34.)

Immediate locality.—Observed station is in cultivated field about 8 feet above high water, 45 yards north-northeast of extreme end of point, 55 yards northwest of edge of bank, 35 yards east of edge of bank, 70 yards southeast by south of corner of wire fence, and 70 yards south-southwest of wire fence.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Nelson 3" (S 53° 21′ E)	0	00	00	1⅞ miles.
"Windmill"	5	53	50	9¼ miles.
Near peak of house	25	43	..	7 miles.
Chimney of house	89	04	..	2½ miles.
Near peak of house	117	29	..	2½ miles.
Near peak of storehouse on Tilghman Island Wharf	123	16	..	1¾ miles.
Near peak of house	131	01	..	2⅛ miles.
Near chimney of brick house	210	58	..	2⅛ miles.
Right chimney of house	278	54	..	¼ mile.
Near peak of house	307	44	..	⅛ mile.

CHEF.

General locality.—Eastern shore of Chesapeake Bay on Cook Point at southern side of entrance to Choptank River about 4 miles east of Sharps Island. (See Charts Nos. 33, 36, and 37.)

Immediate locality.—Observed station is in cultivated field about 8 feet above high water, 30 yards inside of fringe of trees parallel with shore, 45 yards southwest of eastern end of fringe of trees, 70 yards east of western end of fringe of trees, and 190 yards northwest by north of gate in fence running east and west.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Sharps Island Light" (N 84° 01′ W)	0	00	00	4½ miles.
Nail in blaze in wild-cherry tree (4 inches diameter)	18	41	10	31.43 meters.
Nail in blaze in locust tree (5 inches diameter)	46	09	20	28.53 meters.
Large chimney of house	51	57	..	4¾ miles.
Nail in blaze in locust tree (5 inches diameter)	79	02	50	29.94 meters.
Left peak of house	81	21	..	5 miles.
Near peak of barn	98	22	..	7½ miles.
Nail in blaze in locust tree (6 inches diameter)	99	50	30	43.16 meters.
Near chimney on largest building in group	127	24	..	6 miles.
Left end of house	150	48	30	7⅝ miles.
"Choptank River Light"	158	02	10	5⅞ miles.
Lone persimmon tree	165	47	..	231 yards.
"Large Water Tank"	177	43	10	6⅜ miles.
Right chimney outside house	194	02	..	2¼ miles.
Chimney on right one of two houses	222	37	..	¼ mile.
Right peak of barn	251	19	..	¼ mile.
Right peak of hotel on Sharps Island	341	27	..	4 miles.

DOG.

General locality.—Eastern shore of Cummings Creek about ⅜ mile north of Harris Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh about on level with high water, and 16 yards west of clump of myrtle bushes. Cement monument marking reference station is 14.43 meters S 65° 30′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—	°	′	″	
"Cummings" (S 49° 51′ W)	0	00	00	⅜ mile.
East gable of old barn	75	03	..	¾ mile.
West chimney of house	110	30	..	1¼ miles.
South chimney of house	129	00	..	¾ mile.
South chimney of house	133	50	..	⅜ mile.
Nail in blaze in pine tree (12 inches diameter)	136	59	30	35.70 meters.
REFERENCE STATION	244	38	10	14.43 meters.
West chimney of house	325	16	..	1¾ miles.
East chimney of house	332	55	..	1¼ miles.
East edge of McQuay's oysterhouse	342	26	..	⅞ mile.
Chimney of house	348	58	..	2¼ miles.

RABBIT.

General locality.—Western shore of Harris Creek on eastern side of entrance to Cummings Creek about ¾ mile northeast of Little Neck Point. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field, about 8 feet above high water, 6 yards north of shore, 2 yards north of top of bank, and 50 yards east of the extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Koot" (S 52° 52′ E)	0	00	00	¼ mile.
Nail in blaze in pine tree (6 inches diameter)	20	16	00	3.17 meters.
North gable of barn	67	14	..	½ mile.
North chimney of house	86	05	..	1 mile.
Stack of cannery at Sherwood	118	15	..	2 miles.
Nail in blaze in pine tree (6 inches diameter)	123	04	30	8.73 meters.
Left edge of barn	182	34	..	1¾ miles.
Left gable of old barn	281	42	..	400 yards.
Chimney of small house	315	28	..	1¼ miles.
Flagstaff on Bozman Hall	346	26	..	⅞ mile.

GRACE.

General locality.—Northwestern shore of Harris Creek about ⅜ mile east of entrance to Cummings Creek, and 1 mile northeast of Little Neck Point. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, and 5 yards north of the extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Rabbit" (S 82° 20′ W)	0	00	00	¼ mile.
Nail in blaze in locust tree (12 inches diameter)	85	01	10	4.64 meters.
North chimney of Miller house	145	33	..	1 mile.
Chimney of small house	165	31	..	¾ mile.
South chimney of house	176	05	..	½ mile.
North chimney of house	183	08	..	¾ mile.
East chimney of house	220	03	..	½ mile.
West chimney of house	249	24	..	¾ mile.
North chimney of Bridges house	295	26	..	⅜ mile.
East gable of McQuay's oysterhouse	335	44	..	1 mile.

MINK.

General locality.—Western shore of Harris Creek about ½ mile northeast of entrance to Cummings Creek and ½ mile northwest of town of Bozman. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 2 yards northwest of shore, and 40 yards northeast of wire and board fence. Cement monument marking reference station is 8.73 meters N 53° 51′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 6 inches above surface of ground.

References.—	°	′	″	
"Harrison" (N 16° 58′ E)	0	00	00	¼ mile.
South chimney of Harrison house	10	03	..	2 miles.
South chimney of Miller house	32	35	..	⅞ mile.
North chimney of house	45	04	..	1½ mile.
Chimney of house	86	35	..	1½ mile.
Flagpole on Bozman Hall	135	42	..	1½ mile.
East chimney of house	155	07	..	¾ mile.
Chimney of small house	182	28	..	¾ mile.
North chimney of Bridges house	190	39	..	1 mile.
Nail in blaze in locust tree (5 inches diameter)	240	57	10	12.21 meters.
REFERENCE STATION	289	10	20	8.73 meters.
Nail in blaze in mulberry tree (12 inches diameter)	298	59	30	9.41 meters.

HARRISON.

General locality.—Western shore of upper Harris Creek about ¾ mile north-northwest of town of Bozman. (See Chart No. 34.)

Immediate locality.—Observed station is in edge of marsh in northeast corner of old apple orchard about 2 feet above high water, 11 yards northwest of shore, 23 yards west of extreme end of point, and 80 yards south-southeast of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Clump" (N 32° 34′ E)	0	00	00	⅜ mile.
North chimney of Miller house	30	14	..	½ mile.
South chimney of house	51	15	..	¾ mile.
North chimney of house	58	30	..	⅜ mile.
Chimney of house	107	57	..	⅜ mile.
Chimney of small house	120	55	..	⅞ mile.
North gable of barn	137	10	..	¾ mile.
Nail in blaze in apple tree (8 inches diameter)	173	47	20	9.24 meters.
Center of old gristmill burr partly embedded in ground and about 4 feet diameter	270	32	..	4.87 meters.
Northeast corner of Harrison house	301	51	..	80 yards.

CLUMP.

General locality.—Western shore of upper Harris Creek on a point about ¾ mile north of town of Bozman. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh about 2 feet above high water, 6 yards west of shore, and 15 yards east of fringe of locust trees and vines.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Lawn" (N 0° 56′ W)	0	00	00	¼ mile.
South chimney of Harrison house	28	44	..	1¾ miles.
South gable of Harrison barn	31	41	..	1¾ miles.
South chimney of small house	97	09	..	¼ mile.
South chimney of house	108	42	..	1⅞ miles.
North chimney of house	150	09	..	⅜ mile.
North chimney of house	172	07	..	½ mile.
"Bozman M. E. Church spire"	178	12	..	1 mile.
South chimney of Harrison lower house	221	48	..	¼ mile.
Nail in blaze in hackberry tree (6 inches diameter)	280	58	50	17.75 meters.

MILLER.

General locality.—Eastern shore of upper Harris Creek about 1 mile north of town of Bozman. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field about 15 feet above high water, 65 yards east of shore, and half way between a barn and a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Pink" (S 30° 58′ W)	0	00	00	⅜ mile.
East gable of barn	50	20	..	1¼ miles.
Left corner of Seth bathhouse	92	44	..	⅜ mile.
South chimney of house	106	48	..	1¼ miles.
Southwest corner of Miller barn	151	31	..	25.28 meters.
West gable of barn	245	51	..	¾ mile.
South chimney of Harrison house	270	45	..	¼ mile.
Northwest corner of Miller house	327	46	..	29.23 meters.
West chimney of house	333	51	..	1 mile.

PINK.

General locality.—Eastern shore of upper Harris Creek about ⅝ mile north of town of Bozman. (See Chart No. 34.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 6 yards southwest of shore, 12 yards southeast of extreme end of point, and 200 yards southwest of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 7 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Miller" (N 30° 57′ E)	0	00	00	⅜ mile.
North chimney of Miller house	1	44	..	⅜ mile.
Nail in blaze in twin oak tree (18 inches diameter)	54	42	..	9.63 meters.
North chimney of Bridges house	191	10	..	1 mile.
East gable of barn	271	02	..	¾ mile.
South chimney of house	280	19	..	1 mile.
Cupola on tin-roof barn	319	36	..	1¾ miles.
South gable of house	335	51	..	2½ miles.
South chimney of Harrison house	342	23	..	1¼ miles.

BOZMAN.

General locality.—Eastern shore of Harris Creek, about ¼ mile northwest of town of Bozman and ¾ mile east of entrance to Cummings Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in a cleared space about 8 feet above high water, 25 feet southeast of top of vertical bank 8 feet high, and 16 yards north of pine woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 7 inches above surface ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Koot" (S 71° 40′ W)	0	00	00	¼ mile.
South chimney of house	74	22	..	1 mile.
South chimney of house	77	10	..	1⅜ miles.
North chimney of Harrison house	93	19	..	¼ mile.
Cupola on tin-roof barn	106	41	..	2 miles.
Chimney of house	145	31	..	¼ mile.
South chimney of house	176	17	..	¼ mile.
Nail in blaze in locust tree (4 inches diameter)	225	41	30	24.93 meters.
Nail in blaze in pine tree (12 inches diameter)	238	40	10	22.47 meters.
North chimney of Bridges house	347	31	..	1 mile.

BOZMAN M. E. CHURCH SPIRE.

General locality.—Southeastern shore of Harris Creek in the town of Bozman, on the northwest side of county road leading to Neavitt. (See Chart No. 34.)

Immediate locality.—Observed station is on edifice known as Bozman M. E. Church.

Marks.—Observed station is center of spire on Bozman M. E. Church.

References.—None necessary.

KOOT.

General locality.—Southeastern shore of Harris Creek on a point of land between two coves, about ⅜ mile southeast of entrance to Cummings Creek, and ½ mile west of town of Bozman. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field about 6 feet above high water, 10 yards south of shore, 6 yards south of edge of bank 6 feet high, and 200 yards north of a graveyard.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Fox" (S 71° 28′ W)	0	00	00	¼ mile.
Nail in blaze in oak tree (6 inches diameter)	34	03	..	7.86 meters.
North chimney of house	68	34	..	1¼ miles.
South gable of old barn	86	28	..	¼ mile.
South chimney of Miller house	150	42	..	1⅛ miles.
Chimney of small house	161	30	..	¾ mile.
West chimney of house	178	14	..	1 mile.
Chimney of small house	193	32	..	1 mile.
Flagstaff on Bozman Hall	214	42	..	½ mile.
Lone cherry tree in Bridges graveyard	282	30	..	200 yards.
North chimney of Bridges house	307	06	..	300 yards.
Nail in blaze in locust tree (6 inches diameter)	347	25	50	15.29 meters.

FOX.

General locality.—Southeastern shore of Harris Creek on a point of land between two coves about ¼ mile south of entrance to Cummings Creek, and ½ mile northeast of Little Neck Point. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, and 26 yards south of the extreme north end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 7 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Koot" (N 71 °28′ E)	0	00	00	⅜ mile.
North chimney of Bridges kitchen	26	46	..	¼ mile.
North chimney of house	150	04	..	¾ mile.
East gable of McQuay oyster house	175	43	..	½ mile.
Smoke stack at Sherwood	181	13	..	2¼ miles.
East gable of barn	217	41	..	1 mile.
North chimney of house	234	01	..	1¼ miles.
South chimney of house	265	55	..	1 mile.
South chimney of house	289	43	..	1⅜ miles.
North chimney of old house	321	09	..	1⅜ miles.
Chimney of small house	347	12	..	1¼ miles.
North chimney of house	358	58	..	1 mile.

NELSON 3.

General locality.—Northern shore of Choptank River on Nelson Island, between the entrances to Harris and Broad Creeks. (See Chart No. 34.)

Immediate locality.—Observed station is on southwest point of island on marsh about 2 feet above high water, 28 yards north-northeast of extreme end of point, 45 yards northwest of edge of marsh, and 14 yards east of marsh. Cement monument marking reference station is 32.27 meters N 32° 05′ E of observed station.

Marks.—Observed station is center of nail in 3-inch square stub in tile pipe flush with ground. Reference station is center point of triangle on standard cement monument projecting 6 inches above surface of ground.

References.—

	°	′	″	
"Choptank River Light" (S 56° 09′ E)	0	00	00	5½ miles.
"Large Water Tank"	10	09	50	7⅛ miles.
Right chimney of house	31	48	..	7 miles.
Near chimney outside of house	45	44	..	5¾ miles.
Near peak of barn on Cook Point	67	40	..	5¼ miles.
Left peak of hotel on Sharps Island	98	03	..	7⅝ miles.
"Sharps Island Light"	109	04	20	7⅛ miles.
Chimney of house	137	36	..	4 miles.
Stack of cannery at Tilghman Island	153	43	..	3½ miles.
Windmill at Tilghman Island	155	12	..	3½ miles.
Chimney of house on Change Point	185	37	..	1¾ miles.
Left peak of house	197	50	..	1½ miles.
Chimney of house	254	10	..	2⅝ miles.
"St. Michaels Church Spire"	259	55	10	6¼ miles.
REFERENCE STATION	268	13	20	32.27 meters.
Left peak of building	293	43	..	2⅛ miles.
Near peak of house with three chimneys	335	18	..	3 miles.

ANNETTE.

General locality.—Western shore of Broad Creek about ¾ mile north of Nelson Point, and on south side of entrance to Balls Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, and 4 yards west of shore. Cement monument marking reference station is 9.39 meters N 75° 59′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 3 inches above surface of ground.

References.—	°	′	″	
"Myrtle" (N 15° 29′ E)	0	00	00	..... ⅝ mile.
South chimney of house	18	39	..	..... 3⅝ miles.
South chimney of house	29	53	..	..... 3¾ miles.
South gable of barn	35	01	..	..... 3½ miles.
Chimney of house	36	35	..	..... 3½ miles.
South gable of barn	72	54	..	..... 2 miles.
West chimney of house	102	19	..	..... 3⅜ miles.
"Choptank River Light"	116	34	40	..... 6¼ miles.
Water tank at Castle Haven	123	54	..	..... 8¼ miles.
North gable of barn on Todd Point	148	31	..	..... 6½ miles.
Nail in blaze in cedar tree (10 inches diameter)	187	26	00	..... 11.37 meters.
Nail in blaze in cedar tree (10 inches diameter)	235	06	30	..... 16.81 meters.
REFERENCE STATION	268	29	40	..... 9.39 meters.

MYRTLE.

General locality.—Western shore of Broad Creek about 1¼ miles north of Nelson Point and ¼ mile north of Balls Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water and 4 yards northwest of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Annette" (S 15° 29′ W)	0	00	00	..... ⅝ mile.
East gable of house	18	33	..	..... ⅝ mile.
Nail in blaze in pine tree (4 inches diameter)	99	49	00	..... 11.51 meters.
Nail in blaze in locust tree (4 inches diameter)	169	57	..	..... 5.09 meters.
South chimney of house	215	04	..	..... 3¼ miles.
Chimney of house	225	21	..	..... 3⅜ miles.
Chimney of house	241	26	..	..... 2 miles.
West gable on barn	255	40	..	..... 2⅛ miles.
North chimney of house	268	45	..	..... 2½ miles.
Largest tree on Royston Island	300	41	..	..... 2⅞ miles.
Water tank at Castle Haven	307	09	..	..... 8½ miles.

COAL.

General locality.—Western shore of Broad Creek about 2 miles north of Nelson Point and 1 mile west of Deep Neck Point. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field about 4 feet above high water, 12 yards northwest of shore, 4 yards north of small lone cedar tree, and 200 yards north of pine woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Myrtle" (S 44° 23′ W)	0	00	00	⅞ mile.
South gable of Bridges barn	136	22	..	¼ mile.
South chimney of Bridges house	152	03	..	¼ mile.
North chimney of house	167	18	..	1½ miles.
South chimney of house	170	31	..	2¼ miles.
Chimney of small house	203	48	..	2⅜ miles.
Chimney of small house	209	52	..	2⅜ miles.
Chimney of small house	272	47	..	1½ miles.
Largest tree on Royston Island	288	22	..	3 miles.
Left tangent of Nelson Island	331	41	..	2⅜ miles.

TOBE.

General locality.—Western shore of Broad Creek on point at southern side of entrance to Leadenham Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in edge of cultivated field about 2 feet above high water, 19 yards south of shore, and back of a fringe of myrtle bushes.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Ross" (S 68° 15′ E)	0	00	00	1⅛ miles.
North edge of house	6	29	..	1¼ miles.
South chimney of Bridges house	43	44	..	¼ mile.
North gable of Bridges barn	52	02	..	⅜ mile.
East chimney of house	179	12	..	½ mile.
South chimney of old deserted house	264	38	..	¾ mile.
Cupola on "Beverly" house	297	12	..	2½ miles.
North chimney of house	342	28	..	3 miles.

WIRE.

General locality.—Southern shore of Leadenham Creek about 1 mile southwest of Mulberry Point, and ¼ mile southwest of Broad Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field about 5 feet above high water, 4 yards southeast of shore at top of a vertical bank 5 feet high, and 125 yards west of board fence and row of cedar trees. Cement monument marking reference station is 18.90 meters S 23° 36′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 6 inches above surface of ground.

References.—	°	′	″	
"Tobe" (N 64° 26′ E)	0	00	00	¼ mile.
South chimney of Bridges house	55	31	..	⅜ mile.
REFERENCE STATION	91	58	00	18.90 meters.
North gable of barn	160	41	..	½ mile.
Chimney of house	238	19	..	¾ mile.
North chimney of Fairbank house	249	09	..	⅜ mile.
South chimney of house	256	04	..	1 mile.
South chimney of house	320	50	..	1 mile.
Chimney of small cabin	343	22	..	⅞ mile.

BLANCO.

General locality.—Southern shore of Leadenham Creek about 5/8 mile west of Broad Creek entrance to creek and 3/4 mile southwest of entrance to Grace Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in a cultivated field about 9 feet above high water and 13 yards south of edge of vertical bank at shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Fairbanks" (N 30° 58′ E)	0	00	00	3/8 mile.
West chimney of house	28	00	..	1 3/4 miles.
West gable of house	37	03	..	3 miles.
North gable of barn	136	49	..	1/4 mile.
South chimney of house	308	51	..	1/2 mile.
East chimney of house	322	07	..	3/4 mile.
Chimney of house	328	19	..	3/4 mile.
West chimney of house	356	26	..	3/8 mile.

NED.

General locality.—Southern shore of Leadenham Creek about 1 3/8 miles west of Broad Creek entrance to creek and opposite entrance to Caulk Cove. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 5 yards east of shore, 19 yards south of the extreme end of marsh point, and north of a heavy pine woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Caulk" (N 53° 48′ E)	0	00	00	1/4 mile.
West chimney of house	15	23	..	5/8 mile.
Nail in blaze in pine tree (12 inches diameter)	123	06	50	10.47 meters.
Nail in blaze in pine tree (12 inches diameter)	177	59	10	7.52 meters.
East chimney of house	226	43	..	3/8 mile.
Chimney of small house	262	10	..	1/2 mile.
East chimney of house	286	20	..	3/4 mile.

CAULK.

General locality.—Northern shore of Leadenham Creek about 3/4 mile west of Broad Creek entrance to creek and 1/4 mile east-southeast of entrance to Caulk Cove. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh on a wooded shore about 1 foot above high water and 3 yards north of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Fairbanks" (N 84° 28′ E)	0	00	00	3/8 mile.
North gable of Bridges barn	28	28	..	1 mile.
West chimney of house	125	30	..	1 3/8 miles.
East chimney of house	172	52	..	5/8 mile.
Nail in blaze in pine tree (5 inches diameter)	216	17	00	9.74 meters.
Nail in blaze in pine tree (6 inches diameter)	339	45	20	24.77 meters.
West chimney of house	356	03	..	3/8 mile.

FAIRBANKS.

General locality.—Northern shore of Leadenham Creek about ½ mile west of Broad Creek entrance to creek and on first point southwest of entrance to Grace Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 75 yards south of a house and 13 yards north of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is cement of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Pine" (N 50° 00′ E)	0	00	00	⅜ mile.
South corner of small house	33	48	..	3 miles.
West gable of Bridges barn	80	22	..	¾ mile.
West chimney of house	138	27	..	½ mile.
South gable of corn crib	257	04	..	100 yards.
East chimney of house	300	34	..	75 yards.
South gable of barn	317	19	..	300 yards.

PINE.

General locality.—Northern shore of Leadenham Creek on point between entrances to Leadenham Creek and Grace Creek, and about ½ mile west of Broad Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on wooded shore about 5 feet above high water, 5 yards west of shore, 60 yards north of the extreme end of point, and at intersection of two lanes cut through woods. Cement monument marking reference station is 9.52 meters N 67° 25′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument.

References.—

	°	′	″	
"Fairbanks" (S 50° 00′ W)	0	00	00	⅜ mile.
REFERENCE STATION	52	35	00	9.52 meters.
"Cabin" (staff on west end of cabin)	161	49	00	⅝ mile.
West chimney of house	207	11	..	⅝ mile.
North chimney of house	219	50	..	2⅜ miles.
South gable of small house	235	06	..	3¾ miles.
South gable of house	274	20	..	2⅛ miles.
South chimney of Bridges house	284	24	..	¾ mile.
North gable of Bridges barn	290	34	..	¾ mile.
East chimney of house	336	13	..	¾ mile.

LUNA.

General locality.—Western shore of Grace Creek on a prominent point about ½ mile northwest of Broad Creek entrance to creek. (See Chart No. 34.)

Immediate locality.—Observed station is about 5 feet above high water, 5 yards north of shore, 11 yards west of the extreme end of point, and 3 yards east of a dense growth of small pine trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Cabin" (N 80° 51′ E)	0	00	00	¼ mile.
North chimney of house	19	07	..	⅜ mile.
South gable of barn	37	30	..	⅜ mile.
North gable of Bridges barn	92	10	..	1 mile.
Nail in blaze in pine tree (5 inches diameter)	188	48	10	3.29 meters.
Nail in blaze in pine tree (5 inches diameter)	256	00	00	2.61 meters.
West chimney of house	287	57	..	¼ mile.

CABIN.

General locality.—Eastern shore of Grace Creek about ½ mile north of Broad Creek entrance to creek. (See Chart No. 34.)

Immediate locality.—Observed station is on west gable of deserted cabin about 10 feet above high water, and 17 yards east of shore.

Marks.—Observed station is a twenty-penny wire nail driven 2 feet below the peak of west gable of a deserted cabin, and surmounted by a staff erected over nail.

References.—None necessary.

SKINNER.

General locality.—Western shore of Broad Creek at eastern side of entrance to Grace Creek, about ⅝ mile west of Mulberry Point. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 3 yards northeast of shore, 42 yards east of the extreme end of point, and 40 yards southwest of a small clump of trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Ross" (S 45° 32′ E)	0	00	00	1¼ miles.
South chimney of house	5	48	..	2¼ miles.
North gable of house	21	10	..	2¼ miles.
West chimney of Bridges house	45	46	..	¾ mile.
North gable of Bridges barn	51	32	..	¾ mile.
East chimney of house	108	33	..	⅝ mile.
North chimney of house	163	55	..	½ mile.
South chimney of house	212	06	..	¾ mile.
Chimney of cabin	228	36	..	½ mile.
South gable of barn	272	26	..	¼ mile.
West chimney of house	318	07	..	2 miles

BALD.

General locality.—Western shore of Broad Creek on Mulberry Point on northern side of entrance to Leadenham Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 2 yards north of shore, 50 yards west of extreme east end of point, and 40 yards southeast of a rail fence. Cement monument marking reference station is 16.84 meters N 40° 26′ W of observed station. Cedar stub marking old triangulation station "Mulberry" is 22.46 meters N 52° 57′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 7 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Old triangulation station "Mulberry" is nail in 2-inch cedar stub projecting 2 inches above surface of ground.

References.—

	°	′	″	
"Tobe" (S 57° 09′ W)	0	00	00	⅞ mile.
East gable of house	10	10	..	1¼ miles.
East chimney of house	47	05	..	¼ mile.
REFERENCE STATION	118	25	00	16.84 meters.
South chimney of Willey house	158	43	..	1⅛ miles.
Cupola on "Beverly" house	166	28	..	1¼ miles.
OLD TRIANGULATION STATION MULBERRY	175	48	40	22.46 meters.
Right tangent of north end of Willey Island	215	38	..	¾ mile.
Right tangent of marsh at Deep Neck Point	286	05	..	1⅛ miles.
North gable of Bridges barn	344	46	..	1 mile.

ROSE.

General locality.—Western shore of upper Broad Creek on a very prominent point about ⅜ mile north-northeast of Mulberry Point and ⅝ mile west-northwest of the south end of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 2 feet above high water, 4 yards west of end of point, and 20 yards east of point of pine woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Gram" (N 5° 29′ W)	0	00	00	.....	½ mile.
South chimney of house	4	32	..	.....	1¼ miles.
South chimney of Willis house	42	53	..	.....	¾ mile.
Cupola on "Beverly" house	53	03	..	.....	1 mile.
West chimney of "Beverly" tenant house	66	59	..	.....	1½ miles.
West gable of house	111	08	..	.....	1⅜ miles.
North chimney of house	140	32	..	.....	2½ miles.
Right tangent of woods on Deep Neck Point	179	32	..	.....	1⅜ miles.
Left tangent of Nelson Island	208	24	..	.....	3¾ miles.
West gable on Bridges barn	225	04	..	.....	1⅜ miles.
South chimney of house	232	29	..	.....	⅜ mile.
North chimney of house	259	06	..	.....	⅜ mile.
Cupola on barn	359	21	..	.....	1¼ miles.

GRAM.

General locality.—Western shore of upper Broad Creek about ¾ mile north of Mulberry Point and about ½ mile west of upper end of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 2 feet above high water, 10 yards west of extreme east end of point, and about ¼ mile northeast of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Royal" (N 8° 49′ E)	0	00	00	.....	⅜ mile.
North chimney of house	12	31	..	.....	⅝ mile.
North chimney of Price house	41	36	..	.....	¾ mile.
South chimney of Willey house	63	08	..	.....	½ mile.
Cupola on "Beverly" house	66	45	..	.....	¾ mile.
West chimney of house	96	11	..	.....	1⅛ miles.
Right tangent of woods on Deep Neck Point	165	22	..	.....	1⅝ miles.
North chimney of house	231	02	..	.....	¼ mile.
South gable of Miller barn	313	28	..	.....	2 miles.
South chimney of Harrison house	316	54	..	.....	1⅞ miles.
Cupola on barn	344	46	..	.....	¾ mile.
South chimney of house	353	26	..	.....	¾ mile.

BENGAL.

General locality.—Western shore of upper Broad Creek about ¾ mile west of north end of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is on narrow marsh point about 1 foot above high water, 4 yards south of shore, 55 yards west of extreme end of point, and north of a fringe of pine and cedar trees along bank. Cement monument marking reference station is 8.81 meters S 52° 34′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—

	°	′	″		
"Gram" (S 51° 52′ E)	0	00	00	.....	¼ mile.
Nail in blaze in pine tree (18 inches diameter)	96	33	50	.....	11.68 meters.
REFERENCE STATION	104	26	10	.....	8.81 meters.
Nail in blaze in cedar stump 1 foot high (10 inches diameter)	109	01	00	.....	9.43 meters.
East chimney of Jump house	169	00	..	.....	½ mile.
Belfry on Harrison outhouse	201	55	..	.....	1½ miles.
South chimney of Harper house	216	54	..	.....	¾ mile.
Cupola on barn	251	54	..	.....	½ mile.
South chimney of house	266	18	..	.....	¾ mile.
"St. Michaels Water Tank"	268	51	..	.....	2 miles.
North chimney of house	293	15	..	.....	⅝ mile.
Cupola on "Beverly" house	326	00	..	.....	1¼ miles.
North chimney of house	343	15	..	.....	1½ miles.

EASTMAN.

General locality.—Western shore of upper Broad Creek about 1¼ miles west-northwest of north end of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 2 feet above high water, 12 yards south of extreme end of point, 3 yards northeast of clump of myrtle bushes, and 200 yards east of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Woodill" (N 23° 46′ W)	0	00	00	.....	⅜ mile.
Belfry on Harrison outhouse	4	06	..	.....	1 mile.
South gable of barn	12	36	..	.....	2 miles.
South chimney of Willis house	18	31	..	.....	1¼ miles.
Chimney of Burke house	22	59	..	.....	¾ mile.
North chimney of Harper house	38	29	..	.....	½ mile.
North chimney of house	82	43	..	.....	1 mile.
North chimney of house	124	09	..	.....	1⅛ miles.
Chimney of Sutton house	297	13	..	.....	200 yards.
East chimney of Jump house	327	23	..	.....	½ mile.

WOODILL.

General locality.—Western shore of upper Broad Creek about ¾ mile east of Bozman and 1½ miles northwest of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is on wooded shore about 6 feet above high water, 8 yards southwest of shore, and 5 yards north of a pile of oyster shells.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Mars" (S 77° 03′ E)	0	00	00	.....	⅜ mile.
South chimney of house	8	38	..	.....	2⅛ miles.
Nail in blaze in pine tree (12 inches diameter)	104	16	20	.....	23.70 meters.
Nail in blaze in pine tree (12 inches diameter)	166	31	20	.....	16.21 meters.
Belfry on Harrison outhouse	238	54	..	.....	⅞ mile.
South chimney of house	251	54	..	.....	2 miles.

References—Continued.

	°	′	″	
South chimney of Willis house	258	51	..	¾ mile.
Chimney of Burke house	272	07	..	½ mile.
North chimney of Harper house	305	59	..	⅜ mile.
Cupola on barn	327	48	..	¾ mile.
North chimney of house	350	00	..	1 mile.

DELTA.

General locality.—Western shore of upper Broad Creek about ¾ mile northeast of Bozman, and 1¾ miles northwest of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 10 yards west of shore, and about 100 yards east of an orchard.

Marks.—Observed station is center point of triangle on standard cement monument projecting 7 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Willis" (N 13° 54′ E.)	0	00	00	½ mile.
North chimney of Harper house	92	01	..	½ mile.
Cupola on "Beverly" house	103	01	..	2⅛ miles.
North chimney of house	109	34	..	2¼ miles.
North chimney of Jump house	209	09	..	¼ mile.
South gable of barn	341	14	..	1 mile.

MARION.

General locality.—Western shore of upper Broad Creek about 2½ miles northwest of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is on east side of a tenant house in a cultivated field about 8 feet above high water, 12 yards south of shore, and 12 yards northwest of old open well.

Marks.—Observed station is center of hole drilled in east face of center one of three posts supporting east front of a tenant house, and surmounted by spindle erected over hole.

References.—None necessary.

WILLIS.

General locality.—Eastern shore of upper Broad Creek, on a point at northern side of entrance to a small creek about 2½ miles west of St. Michaels. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point at west edge of yard of a house about 1 foot above high water, 8 yards east of shore, 5 yards west of top of slope, about 4 feet higher than station, and 65 yards southwest of the southwest corner of a house.

Marks.—Observed station is center of 2-inch tile pipe projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe.

References.—

	°	′	″	
"Neptune" (S 15° 36′ E.)	0	00	00	⅜ mile.
North chimney of house	37	51	..	½ mile.
North gable of house	41	18	..	½ mile.
"Marion" (staff on east side of house)	70	53	10	¼ mile.
Chimney on Harrison tenant house	70	55	..	¼ mile
South chimney of Harrison house	113	36	..	¼ mile
South chimney of Miller house	125	01	..	⅝ mile.
South chimney of Harrison house	165	07	..	1¼ miles.
Nail in blaze in cedar tree (15 inches diameter)	174	34	50	16.59 meters.
South chimney of house	182	18	..	½ mile.
Southwest corner of Willis house	246	43	..	63 yards.
Nail in blaze in cedar tree (5 inches diameter)	302	55	50	11.81 meters.
Chimney of house	356	35	..	⅜ mile.

NEPTUNE.

General locality.—Eastern shore of upper Broad Creek about 2 miles north of Mulberry Point and 2 miles west of St. Michaels. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated garden about 7 feet above high water, 10 yards north of shore, 20 yards east of the extreme end of point, 2 yards north of top of bank with uniform slope to shore, and 40 yards west of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Venus" (S 17° 02′ E)	0	00	00	⅛ mile.
North chimney of house	72	41	..	¼ mile
Nail in blaze in locust tree (5 inches diameter)	101	55	00	8.67 meters.
Chimney of Harrison tenant house	141	01	..	⅜ mile.
Belfry on Harrison outhouse	153	54	..	⅝ mile.
South gable of house	171	23	..	1¼ miles.
West chimney of Willis house	186	57	..	⅜ mile.
North chimney of house	222	44	..	2 miles.
Chimney of Burke house	287	38	..	40 yards.

VENUS.

General locality.—Eastern shore of upper Broad Creek about ¼ mile north of entrance to Edgar Cove. (See Chart No. 34.)

Immediate locality.—Observed station is on wooded point about 6 feet above high water and 3 yards northeast of edge of a vertical bank 6 feet high. Cement monument marking reference station is 13.28 meters S 79° 28′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument.

References.—

	°	′	″	
"Delta" (N 85° 41′ W)	0	00	00	¼ mile
South chimney of Miller house	38	50	..	1 mile.
Belfry on Harrison outhouse	45	34	..	¾ mile.
South gable of barn	55	58		1¼ miles
Chimney of Burke house	77	11	..	⅛ mile
Nail in blaze of twin oak tree (24 inches diameter)	136	06	10	14.17 meters.
Reference station	184	13	25	13.28 meters.
Nail in blaze of oak tree (5 inches diameter)	195	36	50	3.48 meters.
West gable of Sutton barn	289	11	..	¾ mile.
South chimney of house	336	36	..	½ mile.

MARS.

General locality.—Eastern shore of upper Broad Creek about 1 mile northwest of north end of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh about 2 feet above high water and 7 yards east of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Royal" (S 69° 17′ E)	0	00	00	½ mile.
North chimney of house	3	51	..	1 mile.
North gable of corncrib	105	52	..	½ mile.
West chimney of Sutton house	136	00	..	½ mile.
Right corner of Eastman bungalow	147	10	..	⅝ mile.
South chimney of house	183	24	..	¾ mile.
Chimney of Harrison tenant house	210	33	..	1 mile.
South chimney of house	232	05	..	⅜ mile.
North chimney of house	333	35	..	½ mile.

ROYAL.

General locality.—Eastern shore of upper Broad Creek about ½ mile northwest of north end of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 5 yards northeast of shore, 45 yards south of a lone leaning cedar tree.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Mars" (N 69° 16′ W)	0	00	00	½ mile.
North chimney of house	1	57	..	1¼ miles.
Nail in blaze in red oak tree (3 feet diameter)	92	31	00	76.08 meters.
West chimney of house	113	59	..	¼ mile.
South chimney of "Beverly" house	178	12	..	1 mile.
Right tangent of woods on Deep Neck Point	247	53	..	2 miles.
North chimney of house	273	53	..	⅝ mile.
North chimney of Sutton house	338	34	..	1 mile.
West chimney of Jump house	348	18	..	1 mile.

GRAVE.

General locality.—Eastern shore of upper Broad Creek on point of mainland between Broad Creek and Back Creek about ⅛ mile west of north end of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 2 feet above high water, 11 yards northeast of shore, and about ¼ mile southwest of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Ray" (S 26° 29′ E)	0	00	00	½ mile.
Right tangent of woods Deep Neck Point	31	14	..	1¾ miles.
North chimney of house	83	25	..	⅝ mile.
South gable of barn	123	10	..	1¼ miles.
North chimney of Jump house	132	30	..	1⅜ miles.
South chimney of house	172	29	..	⅜ mile.
South chimney of Price house	249	57	..	¼ mile.
Cupola on "Beverly" house	300	07	..	¾ mile.
North chimney of Willey house	309	23	..	¼ mile.

RAY.

General locality.—Eastern shore of Broad Creek on western side of Hambleton Island about ½ mile north of the south end of island, and ⅞ mile northeast of Mulberry Point. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 4 yards east of shore, and 13 yards west of fringe of small trees at top of bank near edge of cultivated field.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of marsh. Subsurface mark is center of a 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Willey" (S 7° 15′ E)	0	00	00	.....	⅜ mile.
Right tangent of woods Deep Neck Point	23	27	..	.....	1⅜ miles.
West gable of Bridges barn	55	34	..	.....	2 miles.
East chimney of house	73	30	..	.....	1 mile.
North chimney of house	109	33	..	.....	¾ mile.
North chimney of house	126	25	..	.....	1¾ miles.
South chimney of house	159	58	..	.....	1¼ miles.
Nail in blaze in cedar tree (6 inches diameter)	245	59	10	.....	11.08 meters.
Nail in blaze in wild cherry tree (7 inches diameter)	303	17	50	.....	20.52 meters.

WILLEY.

General locality.—Eastern shore of Broad Creek on southern end of Hambleton Island about ⅝ mile north of Cedar Point. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field about 15 feet above high water, and 50 yards north of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Bald" (S 87° 48′ W)	0	00	00	.....	¾ mile.
North chimney of house	39	42	..	.....	1 mile.
Chimney of house	57	22	..	.....	2 miles.
South chimney of house	75	32	..	.....	1⅛ miles.
Chimney of "Beverly" tenant house	117	34	..	.....	⅞ mile.
Cupola on outhouse	189	21	..	.....	¾ mile.
Chimney of house	194	37	..	.....	1½ miles.
West chimney of house	208	32	..	.....	1½ miles.
North gable of barn	220	16			2¼ miles.
Left tangent of Nelson Island	304	30	..	.....	3⅜ miles.
East chimney of house	353	02	..	.....	1⅞ miles.

JUDGE.

General locality.—Western shore of Back Creek on a prominent point on eastern side of Hambleton Island about ½ mile north of Edge Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 2 feet above high water, 7 yards west of the extreme end of point, and 8 yards east of a cut inshore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Willey" (S 14° 47′ W)	0	00	00	.....	½ mile.
Lone cedar tree	51	09	..	.....	95 yards.
South chimney of Willey house	136	07	..	.....	½ mile.
North chimney of house	142	22	..	.....	¾ mile.
West chimney of "Beverly" house	164	37	..	.....	½ mile.
East chimney of "Beverly" tenant house	204	55	..	.....	⅜ mile.
Chimney of house	238	06			½ mile.
East chimney of house	265	10	..	.....	⅜ mile.
North chimney of house	299	54	..	.....	¾ mile.
Right edge of small house	328	18	..	.....	3 miles.

THELMA.

General locality.—Western shore of Back Creek on northern part of Hambleton Island, about 1 mile north of Edge Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in front yard of a house about 6 feet above high water, 3 yards west of shore, 20 yards southeast of a house, and nearly on line with south side of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Elmore" (N 23° 18′ E)	0	00	00	⅜ mile.
Chimney on oyster house	17	11	..	1⅛ miles.
Cupola on "Beverly" house	59	33	..	¼ mile.
West chimney of house	105	48	..	¾ mile.
North chimney of house	225	57	..	1¼ miles.
Nail in cherry tree (12 inches diameter)	235	51	50	14.47 meters.
Northeast corner of Willey house	296	30	30	17.78 meters.
North chimney of house	324	01	..	¼ mile.
"St. Michaels P. E. Church spire"	352	44	20	1⅝ miles.

ELMORE.

General locality.—Western shore of Back Creek, about ⅜ mile north of north end of Hambleton Island and 1¼ miles south of St. Michaels. (See Chart No. 34.)

Immediate locality.—Observed station is near edge of a cultivated field, about 6 feet above high water, 5 yards south of edge of vertical bank at shore, and 20 yards west of extreme end of point of marsh.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Beverly" (N 29° 48′ E)	0	00	00	¼ mile.
Chimney of house	11	31	..	1 mile.
Chimney of oyster house	20	30	..	¾ mile.
Chimney of house	27	51	..	½ mile.
Nail in blaze in cedar tree (12 inches diameter)	118	21	20	5.40 meters.
Cupola on "Beverly" house	136	42	..	¼ mile.
Nail in blaze in locust tree (5 inches diameter)	155	41	50	5.39 meters.
South chimney of Willey house	175	20	..	⅜ mile.
North chimney of house	211	..	..	¼ mile.
"St. Michaels Water Tank"	338	25	..	1⅜ miles.
"St. Michaels P. E. Church spire"	344	08	30	1¼ miles.

BEVERLY.

General locality.—Eastern shore of Back Creek, about ¾ mile south of St. Michaels, and ⅝ mile north of north end of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is on sandy marsh point about 1 foot above high water, 8 yards northeast of shore and south of a heavy growth of small pine trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Ansley" (S 9° 09′ E)	0	00	00	.....	¼ mile.
North chimney of "Beverly" house	15	53	..	.....	½ mile.
North chimney of Willey house	36	43	..	.....	⅝ mile.
North gable of barn	51	28	..	.....	⅝ mile.
East gable of house	110	02			1 mile.
Chimney of small deserted house	114	57	..	.....	¾ mile.
Nail in root of cedar stump	154	50	..	.....	1.56 meters.
Nail in blaze in cedar tree (10 inches diameter)	243	21	20	.....	5.65 meters.
Chimney of house	277	31	..	.....	¼ mile.
North chimney of house	293	12	..	.....	⅜ mile.
Northeast peak of small outhouse	313	02	..	.....	½ mile.

SAMUEL.

General locality.—Eastern side of Back Creek on northern side of small creek, about 1 mile south of St. Michaels and ¾ mile northeast of north end of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is on point near edge of cultivated field, about 6 feet above high water, 15 yards north of shell covered shore, and 30 yards northwest of extreme end of marsh point, and near a number of small cedar and locust trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Ansley" (S 20° 10′ W)	0	00	00	.....	¼ mile.
West chimney of "Beverly" kitchen	0	48	..	.....	⅝ mile.
North chimney of Willey house	16	12	..	.....	¾ mile.
North chimney of house	31	57	..	.....	½ mile.
Nail in blaze in locust tree (5 inches diameter)	99	48	20	.....	6.47 meters.
Nail in blaze in cedar tree (12 inches diameter)	188	22	00	.....	13.64 meters.
Chimney of small house	215	22	..	.....	⅜ mile.
Chimney of oyster house	252	12	..	.....	250 yards.
North chimney of house	276	00	..	.....	¼ mile.
Chimney of old deserted house	317	21	..	.....	¾ mile.

ANSLEY.

General locality.—Eastern shore of Back Creek, about 1 mile south of St. Michaels, ½ mile northeast of north end of Hambleton Island, and ⅛ mile south of entrance to a small creek. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 3 yards south of shore and in center of triangle formed by three pine stubs driven flush with marsh to support theodolite. Cement monument marking reference station is 21.25 meters N 71° 13′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument.

References.—	°	′	″		
"Samuel" (N 20° 10′ E)	0	00	00	.....	¼ mile.
Nail in blaze in pine tree (12 inches diameter)	35	33	50	.....	18.74 meters.
REFERENCE STATION	51	02	40	.....	21.25 meters.
Nail in blaze in pine tree (18 inches diameter)	66	12	00	.....	12.72 meters.

References—Continued.	°	′	″		
Cupola on "Beverly" house	179	34	..	.....	¼ mile.
North chimney of Willey house	205	52	..	.....	½ mile.
North chimney of house	253	19	..	.....	⅜ mile.
South gable of barn	323	55	..	.....	⅝ mile.

HARPER.

General locality.—Eastern shore of Back Creek on a prominent point opposite north end of Hambleton Island about 1¼ miles south of St. Michaels. (See Chart No. 34.)

Immediate locality.—Observed station is in the northwest corner of yard of a house about 4 feet above high water, 13 yards south of edge of a stone sea wall, and 55 yards northwest of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Judge" (S 3° 05′ E)	0	00	00	.....	⅜ mile.
Left tangent of Nelson Point	34	24	..	.....	4½ miles.
North chimney of Willey house	81	54	..	.....	¾ mile.
East chimney of house	115	40	..	.....	2½ miles.
South chimney of house	128	25	..	.....	¼ mile.
South gable of barn	180	40	..	.....	1¼ miles.
"St. Michaels Water Tank"	188	28	..	.....	1⅝ miles.
Nail in pecan tree (24 inches diameter)	237	42	40	.....	20.29 meters.
Northwest corner of "Beverly" kitchen	315	47	..	.....	54 yards.
Nail in leaning locust tree	348	34	..	.....	18.72 meters.

TAFT.

General locality.—Eastern shore of Back Creek about 2 miles south of St. Michaels, ½ mile north of Edge Creek, and nearly opposite extreme eastern point of Hambleton Island. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field about 7 feet above high water, 12 yards east of shore, 15 yards north of edge of a bank 6 feet above marsh, and 5 yards east of edge of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Hopkins" (S 9° 00′ E)	0	00	00	.....	⅜ mile.
Nail in blaze in cedar tree (10 inches diameter)	34	26	00	.....	13.43 meters.
South chimney of Willey house	144	19	..	.....	⅝ mile.
North chimney of house	153	14	..	.....	⅞ mile.
North chimney of "Beverly" house	164	54	..	.....	½ mile.
East chimney of "Beverly" tenant house	190	23	..	.....	⅜ mile.
Chimney of house	239	16	..	.....	¼ mile.
West chimney of Hopkins house	283	21	..	.....	300 yards.
Nail in blaze in cedar tree (15 inches diameter)	356	21	..	.....	21.59 meters.

HOPKINS.

General locality.—Northern shore of Edge Creek on eastern side of entrance to Back Creek about ¾ mile north-northeast of Cedar Point. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field about 8 feet above high water, 15 yards north of shore, 20 yards from three small cedar trees near shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Spencer" (S 43° 22′ E)	0	00	00	¾ mile.
North gable of barn	25	30	..	2½ miles.
Right tangent of pine woods on Deep Neck Point	84	37	..	1¾ miles.
Left edge of barn roof	107	32	..	2 miles.
Chimney of house	137	23	..	1½ miles.
South chimney of house	195	15	..	1¾ miles.
West chimney of "Beverly" house	205	21	..	⅞ mile.
West chimney of house	234	13	..	⅜ mile.
Chimney of house	330	04	..	1 mile.
South chimney of house	343	28	..	⅜ mile.

SPENCER.

General locality.—Northern shore of Edge Creek at western side of entrance to Solitude Creek about 1 mile east of Broad Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 4 yards northeast of shore, and 21 yards northwest of extreme end of point, with a long bar of oyster shells extending 65 yards into creek. Cement monument marking reference station is 11.22 meters N 8° 44′ E of observed station.

Marks.—Observed station is nail in 3-inch cedar stub projecting 4 inches above surface of marsh. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—	°	′	″	
"Hopkins" (N 43° 22′ W)	0	00	00	¾ mile.
South gable of barn	36	01	..	¼ mile.
REFERENCE STATION	52	05	10	11.22 meters.
Chimney of house	96	18	..	⅜ mile.
West chimney of house	110	51	..	⅜ mile.
South chimney of house	180	45	..	1½ miles.
West chimney of house	201	47	..	1¾ miles.
Chimney of small house	243	19	..	1½ miles.
East chimney of house	306	49	..	2¼ miles.
East gable of house	316	57	..	2¾ miles.
South chimney of house	345	29	..	2 miles.

MARSHALL.

General locality.—Northern shore of Edge Creek opposite Elberts Cove about 1¼ miles east of Cedar Point at Broad Creek entrance to creek. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field about 6 feet above high water, 16 yards northeast of shore, 3 yards northeast of an old row of fence posts, 13 yards northwest of wire fence and line of cedar trees, and 125 yards west of an old deserted house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 7 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Holly" (S 13° 25′ E)	0	00	00	½ mile.
West chimney of house	21	00	..	¾ mile.
North gable of house	62	58	..	1 mile.
North gable of barn	75	45	..	1¼ miles.

References—Continued.	°	′	″		
East chimney of house	120	35	..	.....	2¼ miles.
Chimney of house	162	45	..	.....	1½ miles.
East chimney of house	176	04	..	.....	⅝ mile.
Lone dead tree (18 inches diameter)	206	48	..	.....	125 yards.
West chimney of old deserted house	288	17	..	.....	125 yards.
Nail in blaze in cedar tree (5 inches diameter)	214	43	10	.....	12.55 meters.
West chimney of house	340	56	..	.....	1⅛ miles.

CLARK.

General locality.—Northern shore of Edge Creek on western side of entrance to Spencer Creek about 1⅝ miles east of Cedar Point. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field behind a fringe of locust and cedar trees about 6 feet above high water, 17 yards north of shore, and 35 yards northwest of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Holly" (S 26° 12′ W)	0	00	00	.....	⅜ mile.
East chimney of house	12	39	..	.....	¾ mile.
Nail in blaze in locust tree (7 inches diameter)	72	11	..	.....	7.58 meters.
East chimney of deserted house	97	34	..	.....	¼ mile.
South chimney of house	142	23	..	.....	½ mile.
West gable of Hammond wharf house	180	40	..	.....	⅝ mile.
North chimney of house	216	23	..	.....	¾ mile.
South gable of house	255	52	..	.....	⅝ mile.
North chimney of house	276	48	..	.....	1 mile.
West chimney of house	295	05	..	.....	¾ mile.
West chimney of house	314	52	..	.....	¾ mile.
Nail in blaze in cedar tree (6 inches diameter)	323	03	40	.....	3.67 meters.

HOLLY.

General locality.—Southern shore of Edge Creek about 2 miles east of Broad Creek and nearly opposite entrance to Spencer Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about on level with high water, 13 yards north of a fringe of cedar trees and 100 yards west of a cove. Cement monument marking reference station is 11.68 meters S 14° 24′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—	°	′	″		
"Marsh" (N 62° 58′ W)	0	00	00	.....	⅜ mile.
East gable of barn	3	14	..	.....	2¾ miles.
South chimney of house	28	36	..	.....	1¼ miles.
Chimney of small house	44	51	..	.....	¾ mile.
Chimney of deserted house	54	38	..	.....	½ mile.
Chimney of large house	125	00	..	.....	¾ mile.
South chimney of house	162	29	..	.....	1¼ miles.
Nail in blaze in holly tree (8 inches diameter)	256	50	40	.....	12.88 meters.
REFERENCE STATION	257	21	50	.....	11.68 meters.
Nail in blaze in tree (6 inches diameter)	293	42	00	.....	14.35 meters.
East chimney of house	303	31	..	.....	⅛ mile.

MARSH.

General locality.—Southern shore of Edge Creek at eastern side of entrance to Elbert Cove about 1½ miles east of Broad Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 18 yards west of shore, 27 yards south of extreme north end of point, and 35 yards north of an old fence line with a row of cedars. Cement monument marking reference station is 13.58 meters S 14° 47′ W of observed station.

Marks.—Observed station is nail in 3-inch cedar stub projecting 5 inches above surface of ground. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground.

References.—

	°	′	″	
"Clark" (N 66° 24′ E)	0	00	00	¼ mile.
Chimney of house	11	54	..	1 mile.
West gable of barn	19	43	..	1⅛ miles.
South chimney of house	37	31	..	1½ miles.
REFERENCE STATION	128	23	10	13.58 meters.
South chimney of house	195	10	..	1 mile.
East gable of barn	234	19	..	2¾ miles.
South chimney of house	260	24	..	2½ miles.
East chimney of house	296	34	..	¾ mile.

CEDAR.

General locality.—Eastern shore of Broad Creek on Cedar Point at southern side of entrance to Edge Creek about ⅝ mile south of south end of Hambleton Island and ½ mile east-northeast of Deep Neck Point. (See Chart No. 34.)

Immediate locality.—Observed station is on a hard oyster shell bank about 3 feet above high water, 3 yards south of shore, and in front of a thicket of cedar and oak trees. Cement monument marking reference station is 11.16 meters S 27° 55′ E of observed station.

Marks.—Observed station is nail in center of 2-inch cedar stub projecting 2 inches above surface of ground. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—

	°	′	″	
"Willey" (N 4° 24′ W)	0	00	00	⅝ mile.
"St. Michaels Water Tank"	8	03	..	3¼ miles.
West chimney on house	26	29	..	1⅛ miles.
Cupola on house	52	10	..	1 mile.
East chimney of house	54	03	..	1¼ miles.
North chimney of house	79	29	..	1½ miles.
REFERENCE STATION	156	28	10	11.16 meters.
Nail in blaze in twin oak tree (12 inches diameter)	168	20	00	6.14 meters.
Nail in blaze in elm tree (12 inches diameter)	213	09	50	4.13 meters.
North chimney of house	270	59	..	1⅜ miles.
East gable of house	284	43	..	1½ miles.
East chimney of house	308	11	..	1¼ miles.
East chimney of house	330	38	..	1⅛ miles.
South chimney of house	351	51	..	2 miles.

ROSS.

General locality.—Eastern shore of Broad Creek on Deep Neck Point about 1 mile south-southeast of Mulberry Point and ½ mile west-southwest of Cedar Point. (See Chart No. 34.)

Immediate locality.—Observed station is on wooded shore about 10 feet above high water, and 6 yards southeast of top of vertical bank which is washing rapidly. Cement monument marking reference station is 14.94 meters S 61 ° 43′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below bottom of surface pipe. Reference station is center point of triangle on standard cement monument.

References.—

	°	′	″	
"Cedar" (N 65° 14′ E)	0	00	00	½ mile.
Nail in blaze in pine tree (18 inches diameter)	22	11	30	16.32 meters.
REFERENCE STATION	53	03	10	14.94 meters.
Nail in blaze in pine tree (15 inches diameter)	81	02	20	11.81 meters.
Left tangent of Nelson Point	156	27	..	2⅝ miles.
South gable of Bridges barn	212	06	..	1 mile.
South gable of house	226	21	..	1½ miles.
South chimney of house	243	18	..	1¾ miles.
South chimney of house	263	21	..	1 mile.
Cupola on barn	288	25	..	2½ miles.
"St. Michaels Water Tank"	306	04	..	3½ miles.
"St. Michaels P. E. Church Spire"	308	18	..	3⅜ miles.
East chimney of house	320	33	..	1⅝ miles.

COOK.

General locality.—Eastern shore of Broad Creek about 1¾ miles north of Choptank River and ½ mile south of entrance to Bridge Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on point of marsh about 1 foot above high water and 2 yards east of shore. Cement monument marking reference station is 11.63 meters N 61° 29′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 6 inches above surface of ground.

References.—

	°	′	″	
"Ross" (N 4° 06′ E)	0	00	00	1¼ miles.
East chimney of house	11	56	..	1¼ miles.
Nail in blaze in cedar tree (6 inches diameter)	54	02	20	13.79 meters.
REFERENCE STATION	57	23	00	11.63 meters.
Nail in blaze in persimmon tree (8 inches diameter)	73	37	30	9.79 meters.
Left tangent of Nelson Island	228	18	..	2 miles.
North gable of barn	293	09	..	2¼ miles.
South gable of Bridges barn	321	47	..	1[illegible] miles.
South chimney of house	343	04	..	2[illegible] miles.
South chimney of house	354	47	..	3[illegible] miles.

PEARY.

General locality.—Eastern shore of Broad Creek about 1 mile north of entrance to Broad Creek, 1⅜ miles north of Royston Island, and 1¾ miles east-northeast of Nelson Point. (See Chart No. 34.)

Immediate locality.—Observed station is on wooded shore about 6 feet above high water, 3 yards east of vertical bank, which is washed by high water, 100 yards south of north end of pine woods. Cement monument marking reference station is 20.93 meters N 43° 30′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 3 inches above surface of ground. Reference station is center point of triangle on standard cement monument.

References.—	°	′	″		
"Roys" (S 17° 35′ E)	0	00	00	.....	1½ miles.
Left tangent of Cook Point	44	53	..	.....	6¼ miles.
Right tangent of Nelson Point	96	09	..	.....	1¾ miles.
East chimney of house	117	03	..	.....	2 miles.
East gable of Parlett house	131	52	..	.....	2¾ miles.
South gable of barn	168	59	..	.....	1⅞ miles.
Nail in blaze in pine tree (15 inches diameter)	233	25	40	.....	17.49 meters.
REFERENCE STATION	241	04	50	.....	20.93 meters.
Nail in blaze in pine tree (15 inches diameter)	307	35	10	.....	15.45 meters.

IRISH.

General locality.—Northeastern shore of Choptank River on west side of entrance to Irish Creek, about ¾ mile northeast of Royston Island. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land, about 5 feet above high water, 13 yards east-northeast of edge of bank, 5 yards north of foot of bank, 4 yards north of a cedar tree, 10 yards west of a small cedar tree at west end of line of locust trees, and 23 yards east-southeast of rounded point of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Pont" (N 13° 04′ E)	0	00	00	.....	½ mile.
Near peak of building	25	49	..	.....	1¼ miles.
Nail in blaze in locust tree (2 inches diameter)	68	52	50	.....	16.33 meters.
Left peak of house	98	15	..	.....	⅝ mile.
Left peak of barn	123	13	..	.....	1 mile.
Nail in blaze in cedar tree (7 inches diameter)	152	52	10	.....	4.29 meters.
Near peak of house	185	06	..	.....	5 miles.
Nail in blaze in cedar tree (2 inches diameter)	206	33	40	.....	6.24 meters.
"Sharps Island Light"	230	10	20	.....	9 miles.
Near peak of house	291	12	..	.....	3¾ miles.
Near peak of barn	348	54	..	.....	300 yards.

ROYS.

General locality.—Northeastern side of Choptank River on southern end of Royston Island, about ½ mile southwest of entrance to Irish Creek. (See Chart No. 34.)

Immediate locality.—Observed station is about 5 feet above high water, 15 yards north of shore, 25 yards east of shore, and 25 yards northeast of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Choptank River Light" (S 44° 37′ E)	0	00	00	.....	3⅝ miles.
"Large Water Tank"	9	09	00	.....	5⅝ miles.
Peak of large barn	49	44	..	.....	4½ miles.
Right peak of barn	71	08	..	.....	5¾ miles.
Windmill	71	16	..	.....	5¾ miles.
"Sharps Island Light"	109	16	30	.....	8¾ miles.
Church spire	134	43	..	.....	6 miles.

References—Continued.	°	′	″		
Church spire	134	47	..	.....	6 miles.
Large spire	134	57	..	.....	6 miles
Windmill	146	07	..	.....	5¾ miles.
Chimney of house	170	03	..	.....	3 miles.
Near peak of large barn	200	28	..	.....	3½ miles.
Nail in blaze in oak tree (3 inches diameter)	215	43	10	.....	10.64 meters
Nail in blaze in oak tree (3 inches diameter)	281	24	20	.....	6.22 meters.
Nail in blaze in cedar tree (5 inches diameter)	358	28	40	.....	15.92 meters.

PONT.

General locality.—Western shore of Irish Creek on point about ¼ mile north of Choptank River entrance to creek. (See Chart No. 34.)

Immediate locality.—Observed station is in pasture land, about 5 feet above high water, 3 yards west of edge of bank, 30 yards south-southwest of point of bank, 35 yards north by west of point of bank, and ⅛ mile northeast of 2½-story frame house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Sticky" (N 14° 01′ W)	0	00	00		¼ mile
Nail in blaze in locust tree (5 inches diameter)	25	36	50	.....	24.71 meters.
Right peak of barn	43	34	..	.....	⅝ mile.
Left peak of house	80	10	..	.....	1 mile.
Near peak of barn	143	06	..	.....	⅝ mile.
Near peak of 2½-story house	231	32	..	.....	⅛ mile.

STICKY.

General locality.—Western shore of Irish Creek about ¾ mile from Choptank River entrance to creek. (See Chart No. 34.)

Immediate locality.—Observed station is on small marsh point about 1 foot above high water, 8 yards east of shore, 8 yards west of shore, 4 yards south of a 3-foot terrace covered with small cedar and pine trees, and 23 yards north-northeast of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Vue" (N 89° 43′ E)	0	00	00	.....	½ mile.
Left peak of large house	2	04	..	.....	1 mile.
Right corner of house	47	19	..	.....	⅞ mile
Near peak of house	92	58	..	.....	⅜ mile.
Nail in blaze in pine tree (6 inches diameter)	231	25	40	.....	8.72 meters.
Nail in blaze in pine tree (4 inches diameter)	244	49	10	.....	9.85 meters.
Nail in blaze in pine tree (4 inches diameter)	269	21	30	.....	8.63 meters.
Near peak of barn	317	55	..	.....	½ mile.

VUE.

General locality.—Northern shore of Irish Creek, about ¾ mile from Choptank River entrance to creek. (See Chart No. 34.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 4 yards west-northwest of shore, 5 yards northeast of shore, and 8 yards north of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Ila" (S 2° 45′ W)	0	00	00	¼ mile.
Right peak of barn	49	28	..	⅝ mile.
Right peak of house	52	30	..	⅝ mile.
Nail in blaze in cedar tree (4 inches diameter)	160	52	10	24.91 meters.
Nail in blaze in cedar tree (12 inches diameter)	186	14	40	45.03 meters.
Left corner of house	265	31	..	400 yards.
Left peak of house	271	30	..	⅜ mile.
Near peak of house	311	21	..	½ mile.
Right corner of house	352	34	..	⅝ mile.

ILA.

General locality.—Eastern shore of Irish Creek, about ½ mile from Choptank River entrance to creek, on a point at north side of entrance to a cove. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land about 5 feet above high water, 3 yards south-southwest of edge of bank, 20 yards northeast of edge of bank at trees, 17 yards southeast of point of bank, and 23 yards east by north of point of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Creek" (S 16° 51′ W)	0	00	00	½ mile.
Nail in blaze in locust tree (3 inches diameter)	13	57	30	16.07 meters.
Nail in blaze in locust tree (4 inches diameter)	28	06	10	19.32 meters.
Nail in blaze in locust tree (3 inches diameter)	53	06	20	21.36 meters.
Left corner of barn	59	17	..	½ mile.
Near peak of barn	130	36	..	¾ mile.
Left corner of left chimney of house	155	18	..	⅝ mile.
Left peak of house	191	36	..	⅝ mile.
Left peak of house	222	01	..	½ mile.
Left corner of left chimney of large house	265	09	..	⅜ mile.
Right peak of house	334	56	..	⅝ mile.

CREEK.

General locality.—Northeastern shore of Choptank River on east side of entrance to Irish Creek, about ⅝ mile east-northeast of Royston Island. (See Chart No. 34.)

Immediate locality.—Observed station on marsh point about 1 foot above high water, 11 yards southeast of shore, 11 yards east of shore, 17 yards north-northeast of shore and 14 yards south of cut in shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Dot" (S 17° 34′ W)	0	00	00	4⅝ miles.
Right corner of house	118	45	..	⅝ mile.
Right corner of house	146	12	..	1¼ miles.
Left peak of house	184	09	..	1⅛ miles.
Left corner of large chimney	230	02	..	⅝ mile.
Near peak of large building	354	09	..	5¾ miles.

BENONI 2.

General locality.—Northern shore of Choptank River on Benoni Point at western side of entrance to Tred Avon River, about 1⅜ miles northwest of Choptank River Light. (See Chart No. 34.)

Immediate locality.—Observed station is about 5 feet above high water, 9 yards south-southwest of foot of knoll and edge of marsh, 4 yards northeast of edge of bank, 25 yards east-southeast of point of bank, 30 yards north by west of point of marsh, and 100 yards southwest of a cove. Cement monument marking reference station is 7.45 meters N 42° 02′ E of observed station.

Marks.—Observed station is nail in center of stub projecting 4 inches above a 4-inch tile pipe with top of pipe flush with surface of ground. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground.

References.—	°	′	″	
"Choptank River Light" (S 40° 01′ E)	0	00	00	1¼ miles.
"Large Water Tank"	13	10	20	3½ miles.
Left corner of house	65	40	..	4½ miles.
Nail in blaze in water bush	181	09	10	7.68 meters.
Nail in blaze in water bush	231	34	40	4.54 meters.
Near peak of small house	245	50	..	1¾ miles.
Left corner of burnt house	261	14	..	2 miles.
REFERENCE STATION	262	02	40	7.45 meters.
Peak of near gable of large house	277	30	..	1¾ miles.
Nail in blaze in water bush	288	09	40	10.40 meters
Left corner of house	306	56	..	1⅜ miles

MUTTON.

General locality.—Western shore of Tred Avon River opposite town of Oxford, about 1¼ miles north-northeast of Benoni Point. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land about 5 feet above high water, 13 yards west of edge of tree-fringed bank at edge of strip of marsh, 20 yards southwest of edge of bank, and 25 yards northeast of edge of bank at bend.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Choptank River Light" (S 6° 44′ E)	0	00	00	2¼ miles.
Right corner of barn	70	54	..	¼ mile.
Near corner of barn	108	44	..	600 yards.
Center of chimney outside of house	161	53	..	¼ mile.
Near corner of house	214	32	..	½ mile.
Nail in blaze in persimmon tree (12 inches diameter)	223	57	20	18.44 meters.
Nail in blaze in cedar tree (8 inches diameter)	242	32	30	13.48 meters.
Nail in blaze in cedar tree (10 inches diameter)	279	04	40	11.80 meters.
Nail in blaze in locust tree (6 inches diameter)	354	18	20	17.18 meters.

TRED.

General locality.—Western shore of Tred Avon River about ½ mile west of Oxford. (See Chart No. 34.)

Immediate locality.—Observed station is about on level with high water, 2 yards west of shore of marsh strip, 6 yards east of foot of a bank, 6 feet high, 30 yards south by east of small house among trees, 13 yards south by east of end of fence, and 20 yards north of small point of marsh strip. Cement monument marking reference station is 4.98 meters N 68° 24′ W of observed station and at foot of bank.

Marks.—Observed station is nail in center of cypress stub projecting 5 inches above 4-inch tile pipe with top of pipe flush with surface of ground. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—

	°	′	″	
"Choptank River Light" (S 0° 22′ E)	0	00	00	2⅝ miles.
REFERENCE STATION	111	59	00	4.98 meters.
Near peak of small house	171	43	..	29 yards.
Windmill on wooden tower	212	46	..	1⅜ miles.
Left peak between two chimneys of large house	238	08	..	1⅝ miles.
Left peak of Oxford wharf house	277	22	..	⅝ mile.
Windmill	324	51	..	1 mile.

BELLEVUE.

General locality.—Western shore of Tred Avon River at Bellevue steamboat landing about ¾ mile northwest of Oxford steamboat landing. (See Chart No. 34.)

Immediate locality.—Observed station is on south side of roadway pier to Bellevue wharf, about 16 yards south by west of a crab house, and 25 yards west of wharf house.

Marks.—Observed station is center of 3-inch square staff 12 feet high.

References.—

Right corner of storehouse	N. E.	16.00 meters.
Left corner of wharf house	E. by N.	24.25 meters.
Right corner of wharf house	E. by S.	24.18 meters.
Center one of four nails in plank	N. by E.	3.42 meters.
Center one of four nails in plank	E. by S.	.73 meters.
Center one of four nails in plank	W. by N.	.82 meters.

TAR.

General locality.—Western shore of Tred Avon River on point between Tar Creek and Plaindealing Creek about 1⅛ miles north of Oxford steamboat wharf. (See Chart No. 34.)

Immediate locality.—Observed station is on a long point about 4 feet above high water, 10 yards east-northeast of Tar Creek, 9 yards north by west of point of bank, 10 yards northwest by west of edge of bank, 6 yards west-southwest of edge of bank, and 60 yards west by north of extreme end of point of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Peck" (S 55° 15′ E)	0	00	00	¼ mile.
Spindle on left cupola of long barn	10	35	..	1½ miles.
Stack of ice plant at Oxford	52	20	..	1⅛ miles.
Weather vane on barn cupola	105	41	..	¾ mile.
Left peak of 2½-story frame house	128	04	..	½ mile.
Right corner of frame house	203	00	..	127 yards.
Front peak of frame house	246	08	..	½ mile.
Left peak of cupola	337	08	..	⅜ mile.

PECK.

General locality.—Northeastern shore of Tred Avon River on Peck Point about 1 mile northeast of Oxford Steamboat wharf. (See Chart No. 34.)

Immediate locality.—Observed station is in woods about 8 feet above high water, 4 yards north of edge of bank, 4 yards northwest of edge of bank, and 8 yards east of edge of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Tall" (S 82° 32′ E)	0	00	00	½ mile.
Spindle on left cupola on long barn	41	55	..	1¾ miles.
Right peak of building with cupola	82	05	..	⅞ mile.
Nail in blaze in locust tree (6 inches diameter)	83	59	10	2.80 meters.
Left corner of large 2½-story house	150	40	..	1¾ miles.
Spindle on barn cupola	160	35	..	1¼ miles.
Nail in blaze in cherry tree (4 inches diameter)	200	59	20	5.65 meters.
Nail in blaze in persimmon tree (3 inches diameter)	314	22	30	3.93 meters.

TALL.

General locality.—Northwestern shore of Tred Avon River on a prominent point 1⅜ miles northeast of Oxford steamboat wharf. (See Chart No. 34.)

Immediate locality.—Observed station is among cedar and wild pear trees about 2 feet above high water 7 yards northwest of shore, 40 yards east by north of shore, and 50 yards north-northeast of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of the ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Plain" (N 25° 25′ E)	0	00	00	⅜ mile.
Right peak of house	37	35	..	1⅝ miles.
Top of roof of tower	65	17	..	⅞ mile.
Nail in blaze in cedar tree (6 inches diameter)	79	02	30	2.62 meters.
Spindle on barn cupola	105	15	..	1¼ miles.
Spindle on left cupola of large barn	135	04	..	1 mile.
Nail in blaze in cedar tree (5 inches diameter)	162	48	30	4.65 meters.
Right peak of Oxford wharf house	211	08	..	1⅜ miles.
Nail in blaze in cedar tree (5 inches diameter)	218	45	30	6.90 meters.
Spindle on top of water tank	240	35	..	1½ miles.
Nail in blaze in cedar tree (8 inches diameter)	308	46	40	3.08 meters.

PLAIN.

General locality.—Western shore of Tred Avon River about ½ mile west of north side of entrance to Trippe Creek, and 1⅝ miles south-southwest of Double Mills wharf. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land about 3 feet above high water, 5 yards southwest of shore, 10 yards west of shore at first water bush, and 150 yards northwest of point of shore. Cement monument marking reference station is 17.90 meters S 55° 16′ E of observed station.

Marks.—Observed station is nail in center of 2-inch stub in center of 2-inch tile pipe with top of stub projecting 12 inches above surface of ground. Subsurface mark is another 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 2 inches above surface of ground.

References.—	°	′	″	
"Spin" (N 1° 18′ W)	0	00	00	⅝ mile.
Near peak of very large house	7	50	..	⅞ mile.
Center of cupola on wharf house at Double Mills	19	00	..	1⅜ miles.
Spindle on barn cupola	34	02	..	1½ miles.
REFERENCE STATION	126	01	20	17.90 meters.
Spindle on left cupola on long barn	174	45	..	1⅝ miles.
Windmill	205	40	..	1⅛ miles.
Near peak of large house	246	46	..	⅝ mile.
Near peak of house	318	18	..	⅝ mile.

SPIN.

General locality.—Western shore of Tred Avon River on a point of land between two small creeks about ¾ mile northwest of entrance to Trippe Creek, and ⅞ mile south-southwest of Double Mills wharf. (See Chart No. 34.)

Immediate locality.—Observed station is in pasture land near 4 large trees about 10 feet above high water, 20 yards north by west of bank edge, 30 yards west by north of point of bank and 90 yards northeast of a slight cut in the bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Martin" (N 32° 01′ E)	0	00	00	⅜ mile.
Left corner of large frame house	12	37	..	1 mile.
Nail in blaze in pine tree (34 inches diameter)	23	28	00	9.74 meters.
Near corner of brick house	45	26	..	½ mile.
Nail in blaze in cedar tree (14 inches diameter)	10	47	50	10.45 meters.
Nail in blaze in holly tree (17 inches diameter)	180	28	..	6.90 meters.
Nail in blaze in mulberry tree (30 inches diameter)	213	54	20	7.01 meters.
Windmill	231	53	..	⅜ mile.
Right corner of house	278	13	..	⅜ mile.
Right corner of very long frame house	350	46	..	⅜ mile.
Cupola on Double Mills wharf house	358	18	..	⅞ mile.

MARTIN.

General locality.—Western shore of Tred Avon River about 1 mile north-northwest of entrance to Trippe Creek, and ½ mile southwest of Double Mills wharf. (See Chart No. 34.)

Immediate locality.—Observed station is on a long narrow point about 2 feet above high water, 8 yards southwest of shore, 11 yards north of piling protecting shore, 30 yards northwest of extreme end of point, and 14 yards east of middle one of three apple trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center point of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Neva" (N 24° 39′ E)	0	00	00	.....	⅜ mile.
Spindle on cupola of Double Mills wharf house	4	12	..	.....	⅜ mile.
Left peak of large 2½-story house	29	27	..	.....	½ mile.
Right corner of brick house	96	51	..	.....	⅝ mile.
Nail in blaze in apple tree	224	29	50	.....	21.72 meters.
Nail in blaze in apple tree (8 inches diameter)	234	06	20	.....	16.72 meters.
Left corner large house	247	10	..	.....	146 yards.
Nail in blaze in apple tree (6 inches diameter)	250	47	20	.....	12.89 meters.
Left corner house	313	03	..	.....	¼ mile.
Left peak of roof of house	347	41	..	.....	⅜ mile.

NEVA.

General locality.—Western shore of Tred Avon River at Double Mills wharf about 1⅜ miles north of entrance to Trippe Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in southeast corner of a pasture about 3 feet above high water 100 yards west-southwest of Double Mills wharf 5 yards west-southwest of wire and lath fence at road, 14 yards north of bank 1 foot high at river, and 14 yards northwest of corner post of fence.

Marks.—Observed station is center of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Robertson" (N 11° 57′ E)	0	00	00	.....	⅜ mile.
Spindle on cupola on Double Mills wharf house	63	00	..	.....	100 yards.
Nail in blaze in horse chestnut tree (8 inches diameter)	89	03	40	.....	5.86 meters.
Right corner of right chimney outside of house	92	03	..	.....	¼ mile.
Right corner of brick house	152	08	..	.....	⅝ mile.
Spindle on left cupola on long barn	173	02	..	.....	2⅜ miles.
Right corner of house	267	40	..	.....	250 yards.
Nail in blaze in linden tree (10 inches diameter)	315	58	30	.....	20.30 meters.

ROBERTSON.

General locality.—Northwestern shore of Tred Avon River about ⅜ mile north of Double Mills Wharf and ⅜ mile west of end of Long Point. (See Chart No. 34.)

Immediate locality.—Observed station is on grassy land about 2 feet above high water, 7 yards north of shore, 2 yards south of fence, 3 yards east of a few very small cedar trees, and 40 yards west of cedar trees on high land beyond gully.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Stretch" (S 88° 57′ E)	0	00	00	.....	¼ mile.
Windmill on wooden tower	9	47	..	.....	1 mile.
Right corner of building	40	22	..	.....	⅝ mile.
"Aye" (weather vane on largest barn cupola)	46	18	26	.....	½ mile.
Right corner of house	60	22	..	.....	½ mile.
Weather vane on Double Mills Wharf house	93	29	..	.....	⅜ mile.
Right peak of large house	116	33	..	.....	⅜ mile.
Nail in blaze in fence post	175	05	10	.....	4.47 meters.
Nail in blaze in fence post	214	15	20	....	2.27 meters.
Nail in blaze in fence post	306	04	50	.....	1.80 meters.

STRETCH.

General locality.—Western shore of upper Tred Avon River on Long Point at south side of entrance to Maxmore Creek about ½ mile northeast of Double Mills Wharf. (See Chart No. 34.)

Immediate locality.—Observed station is on a rounded marsh point about 1 foot above high water, 16 yards west-northwest of shore, and 22 yards west-southwest of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"May" (N 71° 30′ E)	0	00	00	⅜ mile.
Near peak of barn cupola	34	22	..	⅝ mile.
"Aye" (weather vane on largest barn cupola)	100	20	10	⅜ mile.
Right corner of quarter house	100	39	..	⅜ mile.
Right corner of large house	120	16	..	⅜ mile.
Weather vane on Double Mills Wharf house	154	44	..	½ mile.
Chimney among trees	275	51	..	¾ mile.

MAY.

General locality.—Northwestern shore of upper Tred Avon River about ⅜ mile east of entrance to Maxmore Creek and ⅞ mile northeast of Double Mills wharf. (See Chart No. 34.)

Immediate locality.—Observed station is at point of woods on marsh about 1 foot above high water, 10 yards west-northwest of shore, 11 yards north of shore, and 20 yards east of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Peebee" (N 48° 14′ E)	0	00	00	⅜ mile.
Left corner of house	10	43	..	¾ mile.
Left corner of large house	56	43	..	1 mile.
Spindle on barn cupola	75	59	..	½ mile.
"Aye" (weather vane on largest barn cupola)	165	46	40	⅝ mile.
Weather vane on Double Mills Wharf house	190	15	..	⅞ mile.
Nail in blaze in pine tree (8 inches diameter)	269	50	00	6.81 meters.
Nail in blaze in pine tree (4 inches diameter)	290	09	50	9.39 meters.
Nail in blaze in cedar tree (6 inches diameter)	316	15	00	6.44 meters.

PEEBEE.

General locality.—Western shore of upper Tred Avon about 1¼ miles northeast of Double Mills Wharf and ⅜ mile northwest of entrance to Peachblossom Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land about 4 feet above high water, 6 yards southwest of edge of bank, 14 yards west-northwest of edge of bank, 16 yards northwest of extreme point of bank, 50 yards northeast of a clump of cedar trees, and 400 yards east of dense woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Neck" (N 28° 58′ E)	0	00	00	¼ mile.
Spindle on barn cupola	32	39	..	½ mile.
Nail in blaze in cedar tree (16 inches diameter)	68	50	10	9.08 meters.
Left corner of house among trees	114	40	..	¾ mile.
Left corner of frame building showing through cedar trees	193	46	..	1 mile.
Nail in blaze in cedar tree (7 inches diameter)	305	54	00	16.90 meters.
Nail in blaze in cedar tree (12 inches diameter)	328	43	00	9.83 meters.
Peak of building	358	14	..	2 miles.

NECK.

General locality.—Western shore of upper Tred Avon River on Neck Point opposite Camden Point and about ½ mile north-northwest of entrance to Peachblossom Creek. (See Chart No. 34.)

Immediate locality.—Observed station is about 1 foot above high water, 5 yards west-southwest of shore, 12 yards north of shore, and 8 yards northwest of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Stab" (N 11° 49′ W)	0	00	00	⅜ mile.
Near peak of barn	14	33	..	⅞ mile.
Near peak of large house	66	06	..	¾ mile.
Right peak of large house	100	13	..	½ mile.
Left corner of large house among trees	170	24	..	¾ mile.
Windmill on wooden tower	175	32	..	¾ mile.
Near peak of house	246	31	..	1½ miles.

STAB.

General locality.—Western shore of upper Tred Avon River, on first point north of Neck Point, about ⅞ mile north-northwest of entrance to Peachblossom Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land, about 8 feet above high water, 3 yards northwest of edge of bank, 25 yards northeast of an oak tree at ravine, and 6 yards west of point of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Water" (N 21° 19′ E)	0	00	00	⅜ mile.
Left peak of barn	15	02	..	1⅛ miles.
Peak of dormer window of house	29	34	..	¾ mile.
Spindle on barn cupola	99	43	..	⅝ mile.
Left corner of large house among trees	140	32	..	1⅛ miles.
Windmill on wooden tower	143	50	..	1⅛ miles.
Nail in blaze in oak tree (30 inches diameter)	199	15	10	22.06 meters.
Right peak of large barn	249	17	..	⅜ mile.
Nail in blaze in cedar tree (12 inches diameter)	351	13	10	23.61 meters.

WATER.

General locality.—Western shore of upper Tred Avon River, opposite Watermelon Point, about ¾ mile north of Neck Point, and 1¼ miles north of entrance to Peachblossom Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field west of a broad marsh about 6 feet above high water, 2 yards west of edge of bank, 35 yards north-northwest of point of bank, 20 yards south of point of bank, and 45 yards east-northeast of inside curve of cut.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Melon" (N 83° 37′ E)	0	00	00	¼ mile.
Left large chimney of house	59	15	..	¾ mile.
Spindle on barn cupola	65	10	..	⅞ mile.
Center of cedar tree	198	39	..	120 yards.
Left corner of house	251	33	..	⅝ mile.
Right corner of house	293	02	..	⅞ mile.

RADCLIFFE.

General locality.—Northwestern shore of Tred Avon River, on point of land between Dixon Creek and Tred Avon River. (See Chart No. 34.)

Immediate locality.—Observed station is on small piece of fast land at end of marsh point, about 2 feet above high water, 11 yards northeast by north of shore, 15 yards north of shore, 40 yards southeast of shore, and among several pine and oak trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Bateman" (S 70° 22′ E)	0	00	00	¼ mile.
End of stable	24	55	..	⅜ mile.
Left end of boat house roof	103	19	..	¼ mile.
Near peak of barn	122	55	..	¼ mile.
Left chimney of house	173	21	..	⅝ mile.
Nail in blaze in pine tree (20 inches diameter)	192	56	50	12.59 meters.
Near peak of house	206	02	..	¼ mile.
Nail in blaze in oak tree (12 inches diameter)	290	06	10	5.01 meters.
Near peak of barn	337	43	..	¼ mile.
Nail in blaze in pine tree (20 inches diameter)	339	07	20	9.77 meters.

BATEMAN.

General locality.—Southeastern shore of upper Tred Avon River, about ⅜ mile east of entrance to Dixon Creek, and 1⅛ miles southwest of Easton Point Wharf. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 5 yards southeast of shore, 12 yards southwest of shore, and 20 yards northeast of high land.

Marks.—Observed station is center point of triangle on standard cement monument projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2-inches below base of monument.

References.—	°	′	″	
"Melon" (S 41° 10′ W)	0	00	00	⅜ mile.
Left end of boathouse roof	25	18	..	½ mile.
Peak of barn	37	06	..	½ mile.
Near peak of corn house	38	37	..	¼ mile.
Left chimney of large house	63	45	..	⅞ mile.
Weather vane on large house	77	28	..	¼ mile.
Middle dormer window of large house	139	25	..	⅜ mile.
Peak of barn	162	05	..	⅜ mile.
Windmill	263	34	..	¼ mile.

MELON.

General locality.—Eastern shore of upper Tred Avon River, on Watermelon Point, about ½ mile south of entrance to Dixon Creek, ¾ mile north of Camden Point, and 1⅛ miles north of entrance to Peachblossom Creek. (See Chart No. 34.)

Immediate locality.—Observed station is about 9 feet above high water, 30 yards south-southeast of edge of bank, 60 yards east by south of point of bank at large cedar tree, 35 yards east of edge of bank, 150 yards northwest of a cove, and 100 yards west by south of small cedar tree at cut in bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Stab" (S 47° 10′ W)	0	00	00	.....	½ mile.
Peak of porch of house	79	03	..	.....	½ mile.
Weather vane on barn	112	04	..	.....	⅝ mile.
Near peak of large barn	127	37	..	.....	⅞ mile.
Peak of left dormer window of large house	156	56	..	.....	¾ mile.
Right side of right porch pillar on house	192	56	..	.....	¼ mile.
Left corner of large chimney of house	305	26	..	.....	⅝ mile.

GASH.

General locality.—Eastern shore of upper Tred Avon River on point of land between Camden Point and Watermelon Point, about ¾ mile north of entrance to Peachblossom Creek. (See Chart No. 34.)

Immediate locality.—Observed station is about 5 feet above high water, 16 yards north of shore, 25 yards east-northeast of point of shore, 18 yards east-southeast of bank, 10 yards west of field, and near several large pine trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Camden" (S 11° 43′ W)	0	00	00	.....	⅜ mile.
Left corner of near chimney of house	84	18	..	.....	¾ mile.
Nail in blaze in pine tree (24 inches diameter)	123	43	50	.....	8.30 meters.
Nail in blaze in locust tree (5 inches diameter)	203	43	50	.....	11.93 meters.
Nail in blaze in oak tree (12 inches diameter)	298	35	00	.....	7.24 meters.
Weather vane on barn cupola	318	38	..	.....	⅜ mile.
Spindle on barn cupola	351	44	..	.....	⅝ mile.

CAMDEN.

General locality.—Eastern shore of upper Tred Avon River on Camden Point at north side of entrance to a small cove, and about ⅜ mile north of entrance to Peachblossom Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on sandy grass land about 2 feet above high water, 8 yards north-northeast of sandy shore, 22 yards south-southeast of shore of Tred Avon River, 30 yards east of extreme end of point, 10 yards southeast of a mudhole, and 30 yards southwest of clump of cedar and hackberry trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Blossom" (S 6° 31′ E)	0	00	00	.....	¼ mile.
Windmill on wooden tower	1	29	..	.....	¾ mile.
Left peak of long building	55	07	..	.....	1¼ miles.
Near peak of barn	179	21	..	.....	⅞ mile.
Nail in blaze in cedar tree (7 inches diameter)	212	39	20	.....	27.27 meters.
Nail in blaze in hackberry tree (3 inches diameter)	224	03	00	.....	26.84 meters.
Nail in blaze in cedar tree (14 inches diameter)	239	40	40	.....	27.81 meters.
Left corner of roof of house	329	14	..	.....	¾ mile.

BLOSSOM.

General locality.—Eastern shore of Tred Avon River at north side of entrance to Peachblossom Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 14 yards east by south of shore of river, 12 yards west-northwest of shore of small elliptical cove, and 40 yards north by west of entrance to cove.

Marks.—Observed station is center point of triangle on standard cement monument with top projecting 4 inches above the surface of the ground. Subsurface mark is center of 2-inch tile pipe 24 inches long buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Wall" (S 50° 07′ W)	0	00	00	.....	½ mile.
Weather vane on Double Mills Wharf house	17	03	..	.....	1⅜ miles.
Near peak of barn	122	51	..	.....	1¼ miles.
Near peak between two large chimneys on large house	157	49	..	.....	½ mile.
Left corner of steps on large house among trees	259	40	..	.....	⅝ mile.
Left corner of left porch post on large house among trees	298	23	..	.....	⅜ mile.
Windmill on wooden tower	305	38	..	.....	⅜ mile.

WALL.

General locality.—Southeastern shore of Tred Avon River on a point of land at west side of entrance to a small creek about 1 mile east-northeast of Double Mills Wharf. (See Chart No. 34.)

Immediate locality.—Observed station is in pasture land about 5 feet above high water, 20 yards south of extreme edge of bank, 4 yards west of terrace, 20 yards west of shore, 18 yards south-southeast of edge of bank, and 20 yards east of gully.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Aye" (weather vane on largest barn cupola) (S 61° 00′ W)	0	00	00	.....	⅝ mile.
Right corner of house	7	59	..	.....	⅝ mile.
Weather vane on Double Mills Wharf house	14	49	..	.....	1 mile.
Nail in blaze in locust tree (30 inches diameter)	37	36	50	.....	17.37 meters.
Nail in blaze in hackberry tree (14 inches diameter)	154	55	20	.....	5.03 meters.
Windmill on wooden tower	231	09	..	.....	⅜ mile.
Nail in blaze in cedar tree (28 inches diameter)	255	31	40	.....	32.13 meters.
Nail in blaze in oak tree (30 inches diameter)	340	33	40	.....	20.96 meters.

AYE.

General locality.—Southeastern shore of Tred Avon River about ¼ mile east of Double Mills Wharf. (See Chart No. 34.)

Immediate locality.—Observed station is on cupola on largest barn.

Marks.—Observed station is spindle on cupola.

References.—None necessary.

HUNTER.

General locality.—Eastern shore of Tred Avon River at south side of entrance to a cove about ½ mile south-southeast of Double Mills Wharf, and 1 mile north of entrance to Trippe Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 3 yards southwest of shore, 5 yards east-northeast of shore, 6 yards southeast of point of marsh, and 10 yards west of a clump of wild cherry, hackberry, and cedar trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Weave" (S 27° 35′ W)	0	00	00	½ mile.
Near peak between two chimneys of large house	18	30	..	1⅝ miles.
Near peak of cupola on building	35	36	..	1¼ miles.
Right peak of large house	69	07	..	½ mile.
Peak of dormer window of large house	116	34	..	½ mile.
Weather vane on wharf house at Double Mills	128	57	..	½ mile.
Left corner of large house	157	40	..	⅜ mile.
"Aye" (weather vane on largest barn copola)	175	18	20	⅜ mile.
Nail in blaze in wild-cherry tree (5 inches diameter)	208	35	20	10.70 meters.
Nail in blaze in hackberry tree (6 inches diameter)	232,	14	00	11.18 meters.
Nail in blaze in leaning cedar tree (8 inches diameter)	263	50	50	9.02 meters.
Nail in blaze in cedar tree (20 inches diameter)	272	40	50	13.34 meters.
Near peak of brick house	352	45	..	¼ mile.

WEAVE.

General locality.—Eastern shore of Tred Avon River about ½ mile north of entrance to Trippe Creek, and 1 mile south of Double Mills Wharf. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 20 yards east of shore, 16 yards south of shore at small inlet, 6 yards west of small point on inlet, and 20 yards northeast of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Twin" (S 7° 23′ E)	0	00	00	⅜ mile.
Spindle on left cupola on long barn	15	04	..	1½ miles.
Stack of ice plant at Oxford	51	05	..	2 miles.
Near peak between two chimneys of large house	61	35	..	1¼ miles.
Left corner of chimney outside left end of house	92	28	..	⅞ mile.
Left corner of large house	157	58	..	¼ mile.
Peak of near gable of large house	181	16	..	1 mile.
Weather vane on wharf house at Double Mills	189	42	..	⅞ mile.
Left corner of large house	205	26	..	⅞ mile.
Left peak of house	237	58	..	300 yards.

TWIN.

General locality.—Eastern shore of Tred Avon River on point of land on north side of entrance to Trippe Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land about 4 feet above high water, 45 yards east-southeast of shore of Tred Avon River, and 110 yards northwest of shore of Trippe Creek.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Toe" (N 69° 34′ E)	0	00	00	½ mile.
Near peak of house	4	52	..	1⅜ miles.
Top of roof of tower	87	15	..	½ mile.
Spindle on left cupola on large barn	121	32	..	1¼ miles.
Right corner of large house	189	12	..	⅛ mile.
Left peak of house	297	01	..	½ mile.
Near peak of house in trees	345	37	..	1 mile.

TOE.

General locality.—Northern shore of Trippe Creek on a point of land about ¼ mile northeast of point at north side of entrance to Trippe Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 10 yards northwest of shore, 14 yards southwest of shore, 12 yards north of round point of shore, 12 yards west of round point of shore, and 30 yards southeast of cedar and persimmon trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Trippe" (N 64° 19′ E)	0	00	00	¼ mile.
Near peak of house	16	03	..	1¼ miles.
Near peak of house	33	06	..	1⅜ miles.
Near peak of barn	126	49	..	1 mile.
Top of tower of house	137	52	..	⅝ mile.
"Weather Bureau Staff"	166	59	50	2¾ miles.
Nail in blaze in persimmon tree (7 inches diameter)	227	21	20	25.74 meters.
Nail in blaze in cedar tree (6 inches diameter)	250	42	30	21.68 meters.
Right corner of house	327	07	..	½ mile.

TRIPPE.

General locality.—Northern shore of Trippe Creek about ⅝ mile east of Tred Avon River and ⅛ mile east of entrance to a small creek. (See Chart No. 34.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 23 yards northwest of shore at entrance to slough, 30 yards east-northeast of shore, and 50 yards north by east of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Venture" (S 72° 55′ E)	0	00	00	.....	⅜ mile.
Near peak of dormer window on large house	3	17	..	.....	1½ miles.
Left corner of large chimney	31	06	..	.....	¾ mile.
Left peak of house	93	10	..	.....	1 mile.
Stack of ice plant	128	54	..	.....	2¾ miles.
Near peak of barn	274	07	..	.....	⅛ mile.
Near peak of large house	323	15	..	.....	½ mile.
Right corner of house	335	44	..	.....	⅝ mile.

VENTURE.

General locality.—Northern shore of Trippe Creek on a point on the west side of a cove about 1 mile east of Tred Avon River. (See Chart No. 34.)

Immediate locality.—Observed station is about 1 foot above high water on the inner edge of a strip of marsh at bottom of a bank 4 feet high, 4 yards north of shore of marsh, 8 yards north-northwest of point of marsh, 3 yards south by west of top of bank, 7 yards west of point of bank, and 6 yards west of a lone cedar tree.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Plow" (N 87° 47′ E)	0	00	00	.....	¼ mile.
Nail in blaze in cedar tree (18 inches diameter)	6	16	30	.....	5.74 meters.
Peak of dormer window of large house	23	38	..	.....	1 mile.
Right peak of right barn	51	10	..	.....	¾ mile.
Left corner of left chimney of house	72	08	..	.....	½ mile.
Left peak of barn	246	17	..	.....	¼ mile.
Spindle on right cupola of barn	314	10	..	.....	⅜ mile.

PLOW.

General locality.—Northern shore of Trippe Creek on a point of land between two coves about 1¼ miles from Tred Avon River. (See Chart No. 34.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 15 yards west-northwest of shore, 25 yards north of shore, 20 yards east of extreme end of point, and 5 yards south of foot of bank 7 feet high.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Higher" (N 79° 14′ E)	0	00	00	.....	¼ mile.
Right corner of porch underpinning	32	14	..	.....	⅜ mile.
Left peak of barn	54	52	..	.....	1 mile.
Near peak of barn	103	30	..	.....	½ mile.
Left corner of large chimney	117	10	..	.....	½ mile.
Nail in blaze in persimmon tree (2½ inches diameter)	257	46	40	.....	12.76 meters.
Nail in blaze in oak tree (5 inches diameter)	267	47	10	.....	14.53 meters.
Nail in blaze in persimmon tree (2½ inches diameter)	284	57	00	.....	15.85 meters.
Near peak of barn	345	07	..	.....	⅝ mile.

HIGHER.

General locality.—Northern shore of Trippe Creek at east side of entrance to a cove about 1¾ miles from Tred Avon River entrance to Trippe Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land about 8 feet above high water, 30 yards northeast of edge of bank, 35 yards southeast by east of row of trees, 50 yards east-southeast of point of bank and trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"All" (S 20° 17′ E)	0	00	00	¼ mile.
Near peak of house	9	45	..	¾ mile.
Near peak of large barn	45	04	..	⅝ mile.
Left corner of large chimney	55	31	..	⅝ mile.
Nail in blaze in sassafras tree (2½ inches diameter)	138	19	00	31.63 meters.
Nail in blaze in locust tree (5 inches diameter)	142	20	50	31.96 meters.
Spindle on left one of four barn cupolas	155	19	..	⅜ mile.
Nail in blaze in locust tree (5 inches diameter)	173	32	30	30.93 meters.
Spindle on cupola	288	25	..	1 mile.

ALL.

General locality.—Northern shore of Trippe Creek about 1¾ miles from Tred Avon River entrance to Trippe Creek, and 300 yards west by north of a colonial house. (See Chart No. 34.)

Immediate locality.—Observed station is about 1 foot above high water, 35 yards southeast of shore, 35 yards east of round point of shore, 80 yards northwest of cut in shore, and 40 yards south by east of left one of nine large pine trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Cam" (S 70° 56′ W)	0	00	00	¼ mile.
Left peak of barn	38	26	..	1¼ miles.
Spindle on left one of four cupolas	74	48	..	½ mile.
Left corner of underpinning of Goldsborough house	184	18	..	300 yards.
Right corner of large chimney	226	04	..	⅛ mile.
Right peak of long barn	294	59	..	½ mile.
Left peak of house	333	38	..	½ mile.

CAM.

General locality.—Southern shore of Trippe Creek on a prominent point about 1½ miles from Tred Avon River entrance to Creek. (See Chart No. 34.)

General locality.—Observed station is on marsh point about 10 yards southeast of shore, 20 yards south-southwest of point of shore, and 15 yards northeast by east of point of bank at marsh.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Deux" (S 56° 11′ W)	0	00	00	¼ mile.
Left peak of barn showing through trees	58	53	..	⅞ mile.
"Aye" (weather vane on large barn cupola)	83	01	20	1¾ miles.
Right peak of barn with cupola	112	56	..	½ mile.

References—Continued.

	°	′	″		
Left corner of underpinning of Goldsborough house	196	26	..	.....	⅜ mile.
Right corner large chimney	224	09	..	.....	⅝ mile.
Left peak of house	243	42	..	.....	⅝ mile.
Nail in blaze in persimmon tree (4 inches diameter)	287	28	40	.....	23.51 meters.
Nail in blaze in oak tree (5 inches diameter)	313	59	30	.....	15.77 meters.
Nail in blaze in oak tree (5 inches diameter)	331	03	50	.....	16.93 meters.
Left corner of large chimney	356	39	..	.....	¼ mile.

DEUX.

General locality.—Southern shore of Trippe Creek about 1½ miles from Tred Avon River. (See Chart No. 34.)

Immediate locality.—Observed station is in an orchard about 8 feet above high water, 50 yards north-northeast of rambling house, 20 yards southeast of top of bank, 14 yards southwest of top of bank, 13 yards south of point of bank at ditch, and 3 yards east of a drainage ditch.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Crack" (S 72° 51′ W)	0	00	00	.....	¼ mile.
Left peak of barn	52	55	..	.....	1 mile.
Nail in blaze in pear tree (10 inches diameter)	55	26	20	.....	7.43 meters.
Near peak of barn	81	49	..	.....	¾ mile.
Left peak of large barn	114	08	..	.....	⅝ mile.
Nail in blaze in twin locust tree	119	52	20	.....	11.66 meters.
Nail in blaze in pear tree (6 inches diameter)	193	56	50	.....	6. 29 meters.
Right corner of house	256	20	..	.....	⅛ mile.
Near corner of house	312	55	..	.....	51 yards.

CRACK.

General locality.—Southern shore of Trippe Creek on point at west side of entrance to a small creek, about 1¼ miles from Tred Avon River entrance to creek. (See Chart No. 34.)

Immediate locality.—Observed station is about 3 feet above high water, 13 yards south of edge of bank 15 yards northeast of shore, 40 yards east of extreme end of point, and among scattering locust trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Mistle" (N 31° 34′ W)	0	00	00	.....	½ mile.
Near peak of shed	24	45	..	.....	¾ mile.
Spindle on right one of four cupolas	55	41	..	.....	⅞ mile.
Near peak between two chimneys on large house	78	08	..	.....	1½ miles.
Left corner of house	109	03	..	.....	¼ mile.
Right peak of barn	135	14	..	.....	¾ mile
Near peak of barn	181	59	..	.....	¾ mile.
Nail in blaze in cedar tree (3 inches diameter)	258	17	20	.....	13. 98 meters.
Nail in blaze in locust tree (3 inches diameter)	292	11	50	.....	9.98 meters.
Nail in blaze in locust tree (2 inches diameter)	349	50	40	.....	7.78 meters.

MISTLE.

General locality.—Southern shore of Trippe Creek on a very long point, about ½ mile east-northeast of Tred Avon River. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 10 yards south-southeast of shore, 14 yards west by north of shore, 24 yards southwest of extreme end of point, 4 yards south of a cedar tree, and 12 yards north of a cedar tree.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Layor" (S 50° 38′ W)	0	00	00	⅜ mile.
Near peak of house	135	45		¼ mile.
Nail in blaze in cedar tree (6 inches diameter)	163	22	40	3.45 meters.
Near peak of large house	183	36		⅜ mile.
Right corner of house	222	45		1 mile.
Left corner of large chimney	254	06		⅝ mile.
Nail in blaze in cedar tree (12 inches diameter)	302	11	20	11.11 meters.
Nail in blaze in cedar tree (6 inches diameter)	331	27	00	13.42 meters.

LAYOR.

General locality.—Southern shore of Trippe Creek, about ¼ mile east of Tred Avon River. (See Chart No. 34.)

Immediate locality.—Observed station is in edge of cultivated land about 5 feet above high water, 50 yards south of shore, 17 yards east of bank, 2 yards south-southwest of water bushes, and 200 yards wes of large lone tree.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Borough" (S 39° 05′ W)	0	00	00	⅝ mile.
Near peak of large house	11	13		1½ miles.
Near peak of large frame house	44	27		1⅜ miles.
Near peak of ell of house	100	22		⅜ mile.
Right peak of house	300	30		½ mile.
Top of roof of tower	348	21		⅜ mile.

BOROUGH.

General locality.—Southeastern shore of Tred Avon River, about ¼ mile north-northeast of entrance to Goldsboro Creek, and ½ mile south-southwest of entrance to Trippe Creek. (See Chart No. 34.)

Immediate locality.—Observed station is about 3 feet above high water in cultivated land, 17 yards east-southeast of shore, 25 yards south of shore, 30 yards southwest of shore, ⅛ mile northwest of house in trees, and ⅛ mile west-southwest of large lone tree.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Golds" (S 38° 07′ W)	0	00	00	⅜ mile.
Spindle on barn cupola	52	57	..	2⅛ miles.
Near peak of large house	70	07	..	1 mile.
Left corner of very large house	130	22	..	1¼ miles.
Near peak of wharf house at Double Mills	138	20	..	1⅞ miles.
Right corner of large building	172	49	..	1¼ miles.
Large lone tree	202	34	..	⅛ mile.
Right corner of house among trees	283	17	..	300 yards.
Spindle on left cupola on long barn	340	52	..	⅝ mile.

GOLDS.

General locality.—Eastern shore of Tred Avon River on a point of land between Goldsboro Creek and Mud Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on hard marsh about 1 foot above high water, 30 yards south of shore, 60 yards west-southwest of shore, and 60 yards south-southeast of point of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Mud" (N 78° 58′ W)	0	00	00	⅝ mile.
Right peak between two chimneys of large house	28	43		1 mile.
Near peak of large house	76	38	..	1⅞ miles.
Near peak of large barn	92	36	..	1⅝ miles.
Right corner of old house	167	39	..	½ mile.
Left corner of large house	212	35	..	½ mile
Near peak of large house	250	21		½ mile
Church spire	320	06	40	1⅝ miles.
Stack of iceplant at Oxford	338	06	..	1⅜ miles.

MUD.

General locality.—Southeastern shore of Tred Avon River at western side of entrance to Mud Creek. (See Chart No. 34.)

Immediate locality.—Observed station is among trees on northeast point of a pasture about 4 feet above high water, 13 yards southwest of shore of pond on point, 20 yards north of end of pond, 25 yards northwest of shore of pond, and 45 yards south-southeast of a lone tree at shore of river.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Town" (N 85° 59′ W)	0	00	00	¼ mile.
Spindle on barn cupola	5	14	..	1⅜ miles.
Near peak of 2½-story house	42	28	..	1⅛ miles.
Right corner of 2½-story house	71	42	..	½ mile.
Nail in blaze in hackberry tree (24 inches diameter)	87	08	10	5.51 meters.
Center of roof of tower	157	45	..	1⅛ miles.
Nail in blaze in twin elm tree	216	59	10	8.98 meters.
Spindle on cupola of long barn	220	40	..	⅞ mile.
Nail in blaze in elm tree (7 inches diameter)	249	42	20	13.44 meters.
"Weather Bureau Staff"	315	13	40	1⅛ miles.

TOWN.

General locality.—Southeastern shore of Tred Avon River about ¼ mile northeast of east side of entrance to Town Creek, and ¾ mile northeast of Oxford steamboat wharf. (See Chart No. 34.)

Immediate locality.—Observed station is in northwest corner of a cultivated field about 6 feet above high water, 10 yards south of edge of bank, 12 yards east-southeast of point of bank, 25 yards west-southwest of edge of bank, 3 yards northeast of a fence, and 4 yards northeast of gully.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Riverview" (S 56° 27′ W)	0	00	00	.....	⅞ mile.
Nail in blaze in cedar tree (6 inches diameter)	11	23	40	.....	5.02 meters.
Weather vane on barn cupola	44	12	..	.....	1⅛ miles.
Near peak of 2½-story house	92	35	..	.....	1 mile.
Left peak of large house	141	06	..	.....	½ mile.
Near peak of house	184	59	..	.....	2¾ miles.
Top of roof of tower	199	40	..	.....	1⅜ miles.
Spindle on left cupola of long barn	248	05	..	.....	1½ miles.
Right peak of large house	283	35	..	.....	½ mile.
Right of steamboat wharf house	359	41	..	.....	¾ mile.

RIVERVIEW.

General locality.—Eastern shore of Tred Avon River about ⅛ mile west by south of Oxford steamboat wharf. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is about 3 feet above high water, 3 yards east of shore, 23 yards south-southwest of a fisherman's shanty, and 50 yards north by west of west end of "Lovers Lane."

Marks.—Observed station is center of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"First" (S 17° 40′ E)	0	00	00	.....	½ mile.
"Choptank River Light"	27	31	20	.....	2½ miles.
Left peak of building	82	54	..	.....	¾ mile.
Spindle on barn cupola	171	17	..	.....	⅞ mile.
Left corner of fisherman's shanty	206	21	50	.....	25.82 meters.
Right corner of fisherman's shanty	224	12	40	.....	21.61 meters.
Left peak of large house	239	57	..	.....	1¼ miles.
Right corner of steamboat wharf house	263	06	..	.....	⅛ mile.
Stack of iceplant	273	00	..	.....	⅜ mile.
Nail in blaze in oak tree (18 inches diameter)	342	44	40	.....	44.25 meters.

WEATHER BUREAU STAFF.

General locality.—Eastern side of Tred Avon River in the town of Oxford. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in park south of High and Primary Schools, 55 yards east of shore of Tred Avon River, 55 yards west of Morris Street, and in center of circle of trees.

Marks.—Observed station is center of galvanized iron staff on square galvanized angle-iron tower.

References.—None necessary.

FIRST.

General locality.—Eastern shore of Tred Avon River in town of Oxford about ⅛ mile north of railroad wharves. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is about 8 feet above high water, 2 yards east-southeast of edge of bank, 4 yards east by north of point of bank, 4 yards northeast of edge of bank at small gully, 2 yards south of corner fence post, and 35 yards west of house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Bach" (S 17° 38′ W)	0	00	00	⅝ mile.
Right peak of small house	51	59	..	1⅝ miles.
Right peak of modern house	67	10	..	1⅝ miles.
Left peak of small house	128	37	..	1⅛ miles.
Nail in blaze in fence post	207	52	00	4.98 meters.
Nail in blaze in apple tree (20 inches diameter)	237	43	30	11.94 meters
Nail in blaze in apple tree (12 inches diameter)	266	24	50	14.56 meters.
Windmill	346	43	..	¼ mile.

BACH

General locality.—Eastern shore of entrance to Tred Avon River on Bachelor Point about 1⅜ miles north-northeast of Choptank River Light. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in cultivated field about 6 feet above high water, 30 yards east of edge of bank, 70 yards north-northeast of edge of bank on range with Choptank River Light, and 100 yards south by west of edge of bank of trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Choptank River Light" (S 16° 59′ W)	0	00	00	1⅜ miles.
Tangent of Benoni Point	55	29	..	1¼ miles.
Left peak of roof of house	147	25	..	1⅝ miles.
Left corner of burnt house	166	05	..	1⅛ miles.
Right corner of house	211	35	..	¼ mile.
Left corner of left chimney on very large house	240	46	..	⅝ mile.
"Large water tank"	338	00	20	2¾ miles.

BOONE.

General locality.—Northeastern shore of Choptank River about ⅜ mile northwest of entrance to Boone Creek, ½ mile southeast of Bachelor Point, and 1⅛ miles northeast of Choptank River Light. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is about 5 feet above high water, 13 yards northeast of edge of tree-fringed bank, 60 yards south-southwest of right corner of house, and 50 yards south-southeast of large apple tree.

Marks.—Observed station is center point of triangle on standard cement monument with top 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Choptank River Light" (S 33° 54′ W)	0	00	00	.....	1¼ miles.
Nail in blaze in locust tree (5 inches diameter)	21	01	40	.....	10.26 meters.
Nail in blaze in locust tree (10 inches diameter)	65	31	10		20.59 meters.
Near peak of house	107	59	..	.....	¼ mile.
Right corner of house	159	12	..	.....	57 yards.
Near peak of house	195	28	..	.....	¾ mile.
Nail in blaze in locust tree (4 inches diameter)	323	14	00	.....	13.02 meters.

ENTER.

General locality.—Northern shore of Island Creek on point at east side of entrance to a small cove, about ⅛ mile northeast of Choptank River and 1⅜ miles east-northeast of Choptank River Light. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in cultivated land about 6 feet above high water, 16 yards north of edge of bank of creek, 18 yards south-southeast of edge of bank of cove, 30 yards east-northeast of outlet of cove, and 250 yards west by south of frame house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Choptank River Light" (S 72° 00′ W)	0	00	00	.....	1⅜ miles.
Nail in blaze in locust tree (6 inches diameter)	67	05	40	.....	39.96 meters.
Nail in blaze in cedar tree (10 inches diameter)	109	17	20	.....	16.91 meters.
Left corner of left chimney of house	117	35	..	.....	2 miles.
Left corner of house	173	35			⅛ mile.
Near corner of house	204	11	..	.....	1¼ miles.
"Large water tank"	301	37	00	.....	2½ miles.
Nail in blaze in locust tree (4 inches diameter)	357	13	40	.....	23.03 meters.

STRAW.

General locality.—Northern shore of Island Creek ⅝ mile east-northeast of Choptank River entrance to creek. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is about 6 feet above high water, 3 yards northeast of edge of bank, 18 yards east of bank, 4 yards west of wire fence, 8 yards northwest by west of point where bank meets fence, and 5 yards south of southeast corner of a small house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Delahay" (N 66° 10′ E)	0	00	00	.....	¼ mile.
Nail in blaze in locust tree (4 inches diameter)	15	43	00	.....	4.33 meters.
Nail in blaze in locust tree (14 inches diameter)	72	08	10	.....	7.89 meters.
Left peak of barn	130	54			⅜ mile.
Nail in blaze in locust tree (8 inches diameter)	221	41	10		14.86 meters.
Left corner of small house	240	26	..	.....	5.94 meters.
Near corner of small house	287	16	..	.....	4.04 meters.
Spindle on barn cupola	349	22	..	.....	½ mile.

DELAHAY.

General locality.—Northern shore of Island Creek about 1 mile east-northeast of Choptank River entrance to creek. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in cultivated land about 5 feet above high water, 2 yards northwest of edge of bank, 100 yards east of edge of bank of inlet, 27 yards northeast of point of bank, and 75 yards southwest of farm buildings.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Kent" (N 75° 56′ E)	0	00	00	⅜ mile.
Left corner of house	15	16	..	⅞ mile.
Near peak of barn	25	17	..	¾ mile.
Near peak of large modern house	122	02	..	1 mile.
Near peak of large barn	137	38	..	1¼ miles.
Nail in blaze in apple tree (10 inches diameter)	165	30	40	21.08 meters.
Nail in blaze in apple tree (10 inches diameter)	183	52	40	21.36 meters.
Nail in blaze in apple tree (7 inches diameter)	269	51	50	10.12 meters.
Spindle on barn cupola	313	09	..	250 yards.

KENT.

General locality.—Northern shore of Island Creek on a point about 1¼ miles northeast of Choptank River entrance to creek. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in a cultivated field about 5 feet above high water, 50 yards northwest of top of bank, 80 yards east of bank, 75 yards north-northeast of point and 110 yards east-southeast of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Harry" (N 36° 27′ E)	0	00	00	⅜ mile.
Left corner of chimney outside left end of house	44	41	..	½ mile.
Near peak of barn	80	50	..	⅝ mile.
Peak of ell of large house	187	03	..	1¼ miles.
Near peak of building	217	54	..	⅝ mile.
Spindle on barn cupola	240	41	..	¼ mile.
Near peak of large house	309	12	..	½ mile.

HARRY

General locality.—Northern shore of Island Creek about 1½ miles from Choptank River. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is about 6 feet above high water, 9 yards northwest of edge of bank at cedar trees, 20 yards northeast of cut in bank, and 50 yards south-southwest of bank at cut in shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Charles" (N 55° 30′ E)	0	0	00		¼ mile.
Nail in blaze in locust tree (4 inches diameter)	11	57	00	.....	17.38 meters.
Nail in blaze in locust tree (4 inches diameter)	39	23	00	.....	8.81 meters.
Nail in blaze in cedar tree (4 inches diameter)	78	04	30	.....	8.04 meters.
Left chimney outside of left end of house	92	16	..	.....	⅜ mile.
Right corner of building	131	06	..	.....	⅝ mile.
Spindle on barn cupola	186	37	..	.....	½ mile.
Near peak of building	263	45	..	.....	⅜ mile.

CHARLES.

General locality.—Northern shore of Island Creek about 2 miles from Choptank River. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in southwest corner of truck garden about 6 feet above high water, 6 yards north of edge of bank, 25 yards west of top of bank near locust tree, and 3 yards east of edge of a 12-foot hole 6 feet deep.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Potato" (N 78° 01′ E)	0	00	00	.....	¼ mile.
Nail in blaze in locust tree (4 inches diameter)	23	23	00	.....	12.97 meters.
Nail in blaze in locust tree (4 inches diameter)	32	29	00	.....	9.19 meters.
Near peak of small building	53	18	..	.....	¾ mile.
Nail in blaze in cherry tree (12 inches diameter)	112	20	20	.....	4.17 meters.
Right corner of chimney on quarter house	125	27	..	.....	½ mile.
Near peak of large barn	213	02	..	.....	⅝ mile.
Nail in blaze in locust tree (5 inches diameter)	216	27	20	.....	4.82 meters.
Left corner of barn	265	14	..	.....	100 yards.

POTATO.

General locality.—Northern shore of Island Creek about 2¼ miles northeast of Choptank River entrance to creek. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in cultivated land about 8 feet above high water, 50 yards northwest of edge of bank, 70 yards west of shore at lowest point of bank, 70 yards north of edge of bank and 400 yards south of woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Ritter" (N 72° 30′ E)	0	00	00	.....	¼ mile.
Right corner of Ritter house	4	55	..	.....	⅛ mile.
Right peak of large barn	56	11	..	.....	¾ mile.
Near peak of large barn	134	51	..	.....	⅝ mile.
Near peak of house	102	28	..	.....	1⅝ miles.
Right corner of chimney of house	194	53	..	.....	¼ mile.
Left peak of outhouse	321	08	..	.....	¼ mile.

RITTER.

General locality.—Northern side of Island Creek about 2½ miles from Choptank River entrance to creek. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in cultivated land about 8 feet above high water, 120 yards north-northwest of nearest point of shore, 160 yards southwest by west of shore of small creek at lowest part of bank, 50 yards east of a wire fence, and 120 yards south of a fence.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Show" (N 50° 41′ E)	0	00	00	¼ mile.
Near peak of barn	17	51	..	½ mile.
Left corner of large chimney of house	22	44	..	½ mile.
Right corner of vine-covered chimney	66	25	..	⅝ mile.
Left side of tall chimney	179	43	..	1 mile.
Near peak of large barn	236	48	..	350 yards.
Left peak of long barn	317	43	..	¾ mile.

SHOW.

General locality.—Northern shore of upper Island Creek on a point of land between two coves about 2¾ miles east of Choptank River entrance to creek. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is about 9 feet above high water, 6 yards northwest of top of bank, and 35 yards east by north of a large cherry tree in clump of large trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Kit" (S 33° 20′ E)	0	00	00	¼ mile.
Nail in blaze in locust tree (5 inches diameter)	19	01	30	7.98 meters.
Nail in blaze in locust tree (5 inches diameter)	66	41	00	16.48 meters.
Left peak large house	204	52	..	¼ mile.
Left corner of house	300	27	..	⅜ mile.
Nail in blaze in locust tree (4 inches diameter)	311	32	..	10.13 meters.
Right corner of vine-covered house	348	00	..	½ mile.

KIT.

General locality.—Southeastern shore of Island Creek on a prominent point extending into a bend in the creek about 2¾ miles from Choptank River entrance to creek. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in cultivated land about 8 feet above high water, 13 yards east of top of bank at trees, 20 yards southeast of point of bank, and 30 yards south of top of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Moke" (S 46° 04′ W)	0	00	00	¼ mile.
Nail in blaze in oak tree (8 inches diameter)	32	44	00	11.27 meters.
Nail in blaze in oak tree (10 inches diameter)	48	48	50	11.73 meters.
Right peak of large house	116	07	..	¼ mile.
Right peak of barn	184	27	..	⅜ mile.
Right corner of vine-covered house	262	41	..	⅜ mile.
Nail in blaze in oak tree (5 inches diameter)	328	59	30	14.97 meters.

MOKE.

General locality.—Northern shore of Island Creek on a prominent point extending into a bend in the creek, about 2¼ miles from Choptank River entrance to creek. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in a pasture about 8 feet above high water, 23 yards north-northwest of edge of bank, 100 yards northeast of edge of bank at point, and 100 yards southeast of edge of bank at cedar tree.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Poco" (S 74° 55′ W)	0	00	00		¼ mile.
Right corner of large chimney	27	28	..	.....	¾ mile.
Left corner of Ritter house	51	23	..	.....	¼ mile.
Left peak of large house	107	01	..	.....	¾ mile
Nail in blaze in locust tree (6 inches diameter)	199	04	00	.....	29.58 meters.
Left peak of large barn	208	51	..	.....	½ mile.
Nail in blaze in locust tree (4 inches diameter)	209	47	10	.....	34.39 meters.
Nail in blaze in locust tree (5 inches diameter)	270	56	40	.....	22.86 meters.

POCO.

General locality.—Southern shore of upper Island Creek on point about 2¼ miles from Choptank River entrance to creek. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in cultivated field about 9 feet above high water, 70 yards east-southeast of shore at low bank, 80 yards south by east of edge of bank, 100 yards west of a point of bank, and 130 yards south by west of a point of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Healey" (S 74° 26′ W)	0	00	00	.....	¼ mile.
Windmill on wooden tower	35	36	..	.....	⅞ mile.
Left corner of chimney at left end of house	246	15	..	.....	½ mile.
Peak of ell of house	318	08	..	.....	⅝ mile.
Left peak of barn	331	48	..	.....	½ mile.
Left peak of building	346	40	..	.....	⅝ mile.

HEALEY.

General locality.—Southern shore of Island Creek at west side of entrance to a cove, about 1⅞ miles from Choptank River. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in cultivated field about 10 feet above high water, 11 yards west-southwest of bank fringed with trees, and 150 yards south of a point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Maslin" (S 53° 47′ W)	0	00	00	⅜ mile.
Left peak of large barn	69	32	..	¾ mile.
Nail in blaze in oak tree (3 inches diameter)	126	39	50	15.68 meters.
Peak of house at chimney	159	37	..	½ mile.
Nail in blaze in wild cherry tree (5 inches diameter)	174	27	00	9.89 meters.
Nail in blaze in wild cherry tree (5 inches diameter)	231	16	00	19.37 meters.
Near peak of barn	317	40	..	½ mile.
Right side of right chimney of house	356	06	..	⅜ mile.

MASLIN.

General locality.—Southeastern side of Island Creek about 1½ miles northeast of Choptank River entrance to creek. (See Charts No. 34 and 35.)

Immediate locality.—Observed station is about 8 feet above high water, 95 yards southeast of shore near rail fence, 30 yards north by west of quarter buildings, 9 yards west of fence corner, 6 yards northwest by west of wire fence, 7 yards southwest by west of wire fence, and 25 yards northwest by north of a graveyard.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Mean" (S 37° 19′ W)	0	00	00	¼ mile.
Spindle on barn cupola	48	25	..	⅜ mile.
Left peak of barn	160	18	..	½ mile.
Left corner of house	204	59	..	68 yards.
Nail in blaze in walnut tree (3 feet in diameter)	308	17	00	12.82 meters.
Near corner of brick outhouse	338	37	40	21.38 meters.

MEAN.

General locality.—Southern shore of Island Creek on a point at north side of entrance to a south fork of creek, about 1¼ miles east-northeast of Choptank River entrance to creek. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in cultivated land about 5 feet above high water, 13 yards east of edge of bank, 10 yards north of line of trees at edge of bank, and 12 yards northeast of point of trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Choptank River Light" (S 77° 07′ W)	0	00	00	2¾ miles.
Spindle on barn cupola	39	34	..	½ mile.
Near peak of house	80	17	..	½ mile.
Near peak of barn	206	41	..	⅜ mile.
Nail in blaze in cherry tree (3 inches diameter)	241	53	40	13.48 meters.
Nail in blaze in locust tree (3 inches diameter)	286	16	40	8.12 meters.
Nail in blaze in locust tree (3 inches diameter)	334	39	20	12.35 meters.

JAY.

General locality.—Southern shore of Island Creek about 1 mile east of Choptank River entrance to creek. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in northeast corner of cultivated field about 5 feet above high water, 3 yards southwest of point of bank, 3 yards south-southeast of edge of bank, 3 yards west-southwest of edge of bank, and 30 yards east-northeast of scattering trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Choptank River Light" (S 78° 47′ E)	0	00	00	2⅜ miles.
Near peak of barn	40	38	..	⅞ mile.
Spindle on barn cupola	85	29	..	⅜ mile.
Near peak of house	103	54	..	¾ mile.
Left corner of chimney outside left end of house	153	40	..	⅝ mile.
Left peak of barn	186	13	..	⅝ mile.
Near peak of large barn	284	23	..	½ mile.

BERRY.

General locality.—Southern shore of Island Creek on a prominent point about ½ mile east of Choptank River entrance to creek. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in cultivated land about 6 feet above high water, 17 yards south-southwest of edge of bank, 17 yards west-southwest of edge of bank, 21 yards southeast of edge of bank, 20 yards southeast of a small house, and 3 yards west of a line of four trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Choptank River Light" (S 79° 08′ W)	0	00	00	2 miles.
Right corner of house	23	03	..	½ mile.
Right corner of house	52	15	..	⅜ mile.
Nail in blaze in apple tree (8 inches diameter)	100	30	10	14.62 meters.
Nail in blaze in apple tree (12 inches diameter)	119	11	30	5.92 meters.
Spindle on barn cupola	130	01	..	½ mile.
Left peak on long barn	170	43	..	1 mile.
Near corner of house	233	42	..	18.33 meters.
Nail in blaze in apple tree (14 inches diameter)	252	28	30	0.94 meters.
Right corner of house	282	07	..	⅝ mile.

LANDEYE.

General locality.—Northeastern shore of Choptank River on point at south side of entrance to Island Creek, about 1½ miles east of Choptank River Light. (See Charts Nos. 34 and 35.)

Immediate locality.—Observed station is in cultivated land about 5 feet above high water, 15 yards east-southeast of edge of bank, 50 yards southwest of fringe of trees and bushes, 55 yards south-southwest of point of field and end of fringe of trees and bushes.

Marks.—Observed station is center point of triangle on standard cement monument projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Choptank River Light" (S 83° 39′ W)	0	00	00	.....	1½ miles.
Chimney of house near Bachelors Point	48	33	..	.....	1¼ miles.
Left corner of barn	122	21	..	.....	¾ mile.
Left corner of barn	230	18	..	.....	¾ mile.
"Large water tank"	297	25	50	.....	2⅜ miles.

CHOPTANK RIVER LIGHT.

General locality.—In Choptank River about 1¼ miles southeast of Benoni Point, 1 mile south of entrance to Tred Avon River, and 8½ miles east of Blackwalnut Point. (See Charts Nos. 34, 35, and 37.)

Immediate locality.—Observed station is on hexagonal screw-pile structure known as Choptank River Lighthouse.

Marks.—Observed station is center of lantern on Choptank River Lighthouse.

References.—

	°	′	″		
Chlora (S 57° 04′ E)	0	00	00	.....	2⅜ miles.

ST. MICHAELS P. E. CHURCH SPIRE.

General locality.—Western side of Miles River in town of St. Michaels at southeast corner of Talbot and Mill Streets. (See Chart No. 34.)

Immediate locality.—Observed station is on stone edifice known as St. Michaels Protestant Episcopal Church.

Marks.—Observed station is center point of steeple on St. Michaels Protestant Episcopal Church.

References.—None necessary.

MARGO.

General locality.—Northeastern shore of Miles River, about 1¼ miles north-northwest of Long Point and 2 miles east of St. Michaels. (See Chart No. 34.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 30 yards north of edge of marsh, 35 yards east of extreme point, and 55 yards west of bushes at edge of marsh. Cedar stub marking old triangulation station "Marengo 1899" is at edge of marsh, 29.61 meters S 57° 11′ W of observed station.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument. Reference station "Marengo 1899" is center of five copper nails in top of 5-inch cedar stub 5 feet long with top flush with the surface of the ground.

References.—

	°	′	″		
"St. Michaels Water Tank" (N 86° 02′ W)	0	00	00	.....	2⅜ miles.
Right chimney of Fogg house	8	04	..	.....	1¾ miles.
Peak of near gable of house	17	01	..	.....	2 miles.
Weather vane on square tower on Dodson house	37	54	..	.....	2 miles.
Right tangent of point	46	46	..	.....	3¼ miles.
Persimmon tree	72	03	..	.....	120 yards.
Left of trees on narrowest part of Long Point	202	46	..	.....	⅜ mile.
Near peak of large house with large square chimney	288	29	..	.....	1¼ miles.
Large square chimney on Dodson tenant house	298	21	..	.....	1 mile.
"Marengo, 1899"	323	12	50	.....	29.61 meters.
Spindle on M. E. Church cupola	354	51	..	.....	2 miles.
"St. Michaels P. E. Church spire"	355	53	20	.....	2 miles.

GIBBS.

General locality.—Northeastern shore of Miles River about ½ mile northwest of extreme end of Long Point, and 1½ miles south-southeast of entrance to Leeds Creek. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 17 yards north of shore, 25 yards east of shore, 20 yards northeast of extreme end of point, 35 yards west-northwest of point of woods, and 35 yards southwest of woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Long" (S 44° 29′ E)	0	00	00	½ mile.
Chimney on side of roof of large building	21	03	..	1¾ miles.
West peak of long building	33	20	..	1¾ miles.
Southeast chimney of house	61	44	..	1 mile.
Chimney outside of northeast end of Slater house	102	28	..	1 mile.
Near peak of Leonard house	134	31	..	1½ miles.
"St. Michaels Water Tank"	151	57	40	2⅝ miles.
Right chimney of house	171	17	..	3 miles.
Weather vane on Dodson house	181	10	..	2¾ miles.
Right tangent of Tilghman Point	191	41	..	7¼ miles.
Left tangent of Fairview Point	192	55	..	2 miles.
Nail in blaze in pine tree	265	45	40	44.35 meters.
Nail in blaze in pine tree	301	38	50	29.15 meters.
Nail in blaze in pine tree	327	58	40	30.44 meters.

LONG.

General locality.—Northern shore of Miles River on Long Point about ⅛ mile southwest of entrance to Hunting Creek, and 1¼ miles north of railroad bridge across entrance to Oak Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in cedar and pine woods about 6 feet above high water, 10 yards east-southeast of edge of bank protected by log breakwater, 11 yards northeast of point of bank, 4 yards northwest of edge of bank, and 30 yards northwest of point of sandy marsh.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Hunting" (N 56° 23′ E)	0	00	00	½ mile.
Nail in blaze in cedar tree (8 inches diameter)	6	25	00	4.45 meters.
Left peak of roof of house	23	21	..	1⅜ miles.
Spindle on barn cupola	103	47		1⅛ miles.
Smoke pipe of Royal Oak railroad station	131	37	..	1⅛ miles.
Nail in blaze in cedar tree (6 inches diameter)	181	35	10	2.53 meters.
"St. Michaels Water Tank"	235	36	40	3 miles.
Nail in blaze in twin cedar tree (16 inches diameter)	286	15	30	4.47 meters.
Left corner of roof of house	358	32	..	⅝ mile.

BEG.

General locality.—Southwestern shore of Hunting Creek on first prominent point north of Miles River entrance to Hunting Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in scant pine woods about 5 feet above high water, 3 yards south of bank, 9 yards northwest of bank, and 11 yards west of point of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Search" (N 20° 58′ W)	0	00	00	⅜ mile.
Spindle on barn cupola	10	11	..	⅞ mile.
Nail in blaze in pine tree (10 inches diameter)	22	49	50	2.34 meters.
Front peak of large house	46	16	..	⅜ mile.
Peak of near gable of house	90	13	..	½ mile.
Left peak of roof of house	108	29	..	1¼ miles.
Nail in blaze in pine tree (7 inches diameter)	164	32	30	2.97 meters.
Nail in blaze in pine tree (2 inches diameter)	240	41	10	2.23 meters.

SEARCH.

General locality.—Western shore of Hunting Creek about ½ mile north of Miles River. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 11 yards northwest of shore, 40 yards south-southwest of shore, 35 yards west-southwest of point of shore, 3 yards east of water bushes, 20 yards south of bushes, and 25 yards southwest of water bushes.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Tug" (N 50° 43′ E)	0	00	00	¼ mile
Spindle on barn cupola	47	45	..	½ mile
Lightning rod on house	52	01	..	⅝ mile
Peak of front gable of house	74	09	..	1¼ miles.
Nail in blaze in pine tree (14 inches diameter)	154	11	10	16.62 meters.

TUG.

General locality.—Eastern shore of Hunting Creek about ½ mile north of Miles River. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land about 6 feet above high water, 10 yards east of edge of bank, 32 yards north of extreme point of shore, 7 yards northeast of a shanty, 14 yards northwest of shore, and trees along shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Hunting" (S 33° 40′ E)	0	00	00	½ mile.
Nail in blaze in cedar tree (4 inches diameter)	20	41	00	7.74 meters.
Left corner of shanty	53	38	..	7.47 meters.
Right corner of shanty	83	08	..	6.64 meters.
"St. Michaels Water Tank"	132	29	00	3 miles.
Left corner of house behind very large oak tree	185	12	..	¼ mile.
Left peak of ell of house	272	52	..	¼ mile.
Nail in blaze in birch tree (5 inches diameter)	288	04	00	18.48 meters.
Nail in blaze in birch tree (9 inches diameter)	304	51	10	12.84 meters.
Right peak of barn with cupola	350	50	..	⅜ mile.

HUNTING.

General locality.—Northwestern shore of Miles River on east side of entrance to Hunting Creek and ¼ mile northeast of Long Point. (See Chart No. 34.)

Immediate locality.—Observed station is in south corner of cultivated field, about 5 feet above high water, 2 yards northwest of edge of bank with bushes, 6 yards west of edge of bank, 7 yards northeast of point of bank, 50 yards north of edge of lower land, and 200 yards south of a large barn with a cupola.

Marks.—Observed station is center point of triangle on standard cement ground projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Spree" (N 79° 09′ E)	0	00	00	¼ mile.
Left peak of house	3	42	..	1 mile.
Near peak of large barn	46	35	..	¾ mile.
Nail in blaze in persimmon tree (6 inches diameter)	100	17	50	5.87 meters.
Spindle on barn cupola	105	03	..	1½ miles.
Left peak of building near railroad bridge	119	46	..	1½ miles.
Left tree on Long Point	154	17	..	½ mile.
Near peak of large building	240	35	..	1½ miles.
Spindle on barn cupola	271	29	..	200 yards.
Peak of near gable on house	337	27	..	¼ mile.
Nail in blaze in cherry tree (3 inches diameter)	339	21	10	7.98 meters.

SPREE.

General locality.—Northwestern shore of Miles River, about ½ mile east of entrance to Hunting Creek, and ¾ mile northeast of Long Point. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 2 yards north of shore, 15 yards west-southwest of wire fence, and 25 yards south of trees. Cement monument marking reference station is 10.57 meters N 2° 18′ E of observed station and on line with cherry tree.

Marks.—Observed station is center of 2-inch tile pipe with top flush with surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground.

References.—

	°	′	″	
"Whit" (N 60° 48′ E)	0	00	00	½ mile.
Left corner of boathouse	1	07	..	¼ mile.
Near corner of large house	3	50	..	1 mile.
Left peak of roof of house	38	17	..	⅝ mile.
Spindle on barn cupola	115	26	..	¾ mile.
Spindle on barn cupola	135	22	..	⅞ mile.
Left corner of roof of house	166	42	..	2 miles.
Nail in blaze in hackberry tree (5 inches diameter)	265	58	00	22.08 meters.
Nail in blaze in cherry tree (6 inches diameter)	300	33	..	23.17 meters.
REFERENCE STATION	301	30	30	10.57 meters.
Right peak of colonial house	354	15	..	¼ mile.
Nail in blaze in fence bost	358	52	30	15.04 meters.

WHIT.

General locality.—Northwestern shore of Miles River on east side of entrance to a small cove about 1¼ miles northeast of Long Point. (See Chart No. 34.)

Immediate locality.—Observed station is on a small marsh point near a small clump of cedar and hackberry trees about 1 foot above high water, 5 yards northwest of shore, 4 yards northeast of shore, and 6 yards north of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Dorrance" (N 25° 25′ E)	0	00	00	⅜ mile.
Nail in blaze in leaning hackberry tree (4 inches diameter)	2	56	10	8.07 meters.
Left corner of house	6	39	..	⅝ mile.
Center of windmill tower	19	49	..	1⅝ miles.
Center of windmill tower	32	32	..	1⅝ miles.
Near peak of house	42	55	..	⅝ mile.
Left peak of roof of house	126	31	..	⅜ mile.
Left corner of square house	186	34	..	1 mile.
Left corner of roof of house	220	51	..	¼ mile.
Near peak of large house	257	19	..	¾ mile.
Nail in blaze in twin hackberry tree (20 inches diameter)	291	51	40	4.49 meters.
Nail in blaze in hackberry tree (5 inches diameter)	325	35	10	4.98 meters.
Near peak of Dorrance house	356	02	..	⅜ mile.

DORRANCE.

General locality.—Northwestern shore of Miles River about 1⅜ miles southwest of Miles River bridge and 1⅝ miles northeast of Long Point. (See Chart No. 34.)

Immediate locality.—Observed station is about 5 feet above high water, 2 yards northwest of edge of bank, 9 yards west-southwest of a large tree on point of bank, 11 yards west of point of bank, and 12 yards southwest of edge of bank.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe, buried with top 2 inches below base of monument.

References.—	°	′	″	
"Tang" (N 40° 20′ E.)	0	00	00	¼ mile.
Center of windmill tower	9	59	..	1⅜ miles.
Left corner of large house	18	06		2 miles.
Near corner of Henderson house	24	22	..	1⅜ miles.
Center of windmill on tower	25	18	..	1⅜ miles.
Nail in blaze in hickory tree (20 inches diameter)	27	42	50	8.58 meters.
Spindle on barn cupola	62	42		½ mile.
Right peak of house	70	39	..	⅜ mile.
Near peak of house	136	04	..	¾ mile.
Nail in blaze in hickory tree (18 inches diameter)	153	18	00	5.79 meters.
Right corner of house	207	10	..	300 yards.
Left peak of small tenant house	259	04	..	300 yards.
Near corner of Dorrance house	328	55	..	300 yards.
Right corner of house	355	57	..	½ mile.

TANG.

General locality.—Northwestern shore of Miles River at south side of entrance to a cove, about 1⅛ miles southwest of Miles River bridge. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh point about 1 foot above high water, 20 yards northwest of shore, 25 yards north of point of shore, 35 yards west-southwest of another point of shore, and 150 yards southeast of wire fence.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Johnson" (N 40° 46′ E)	0	00	00	¼ mile.
Center of windmill tower	12	31	..	¾ mile.
Right eave of Goldsborough house	21	26	..	1⅝ miles.
Center of windmill tower	31	37	..	1⅛ miles.
Near corner of large chimney of mansion	48	50	..	1 mile.
Right peak of Mumford house	119	57	..	⅜ mile.
Near peak of roof	149	05	..	⅞ mile.
Near peak of Dorrance house	193	47	..	¼ mile.
Near peak of house	288	44	..	¼ mile.
Right corner of house	351	46	..	¼ mile.

BETHEL.

General locality.—Southeastern shore of Miles River at north side of entrance to a small creek, about ¾ mile southwest of Miles River bridge. (See Chart No. 34.)

Immediate locality.—Observed station is in a clump of pine trees about 3 feet above high water, 9 yards south of shore of rounded point, and 20 yards east of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Figs" (S 38° 40′ W)	0	00	00	⅜ mile.
Near peak of Dorrance house	36	02	..	¾ mile.
Nail in blaze in cedar tree (14 inches diameter)	56	38	00	5.76 meters.
Left corner of second story of Lowndes house	87	26	..	⅜ mile.
Nail in blaze in persimmon tree (6 inches diameter)	125	54	30	4.91 meters.
Center of windmill on tower	173	33	..	½ mile.
Left corner of Goldsborough house	174	39	..	1 mile.
Nail in blaze in locust tree (10 inches diameter)	197	25	40	4.74 meters.
Center of windmill on tower	205	39	..	⅝ mile.
Left corner of large chimney	267	50	..	½ mile.

FIG.

General locality.—Southeastern shore of Miles River, about 1 mile southwest of Miles River bridge. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land about 12 feet above high water, 4 yards southeast of edge of tree-covered bank, and 150 yards north-northwest of large barn with two cupolas.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Doctor" (S 51° 35′ W)	0	00	00	¾ mile.
Near peak of house	33	44	..	⅝ mile.
Nail in blaze in hackberry tree	35	07	10	8.66 meters.
Left corner of Dorrance house	52	05	..	½ mile.
Nail in blaze in cedar tree (4 inches diameter)	111	57	20	9.39 meters.
Spindle on cupola on hip roof on house	149	46	..	¾ mile.
Center of windmill on tower	162	56	..	⅞ mile.
Point of tower on house	166	12	..	⅞ mile.
Left corner of Henderson house	182	21	..	1 mile.
Center of windmill on tower	183	42	..	1 mile.
Near peak of tenant house	209	37	..	¼ mile.
Spindle on left one of two cupolas on barn	289	54	..	150 yards.
Near peak of large barn	333	00	..	¼ mile.
Nail in blaze in oak tree (8 inches diameter)	354	32	00	19.14 meters.

DOCTOR.

General locality.—Southeastern shore of Miles River, about 1¼ miles west-southwest of Miles River bridge and 1¾ miles northeast by east of Long Point. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land back of bushes about 4 feet above high water, 4 yards southeast of edge of bank, 55 yards southwest of a wire fence, 80 yards west of corner of wire fence, 100 yards west by south of a house, and 100 yards west-southwest of a marsh point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"McConnell" (S 31° 17′ W)	0	00	00	¾ mile.
Spindle on barn cupola	3	57	..	¾ mile.
Near peak of house	36	41	..	⅝ mile.
Peak of house	113	30	..	¾ mile.
Nail in blaze in bush (3 inches diameter)	136	19	00	6.66 meters.
Nail in blaze in apple tree (8 inches diameter)	154	11	30	17.93 meters.
Left corner of house	159	17	..	½ mile.
Center of tower	186	31	..	1⅛ miles.
Left corner of shed	213	28	..	100 yards.
Nail in blaze in fence post	228	15	50	71.35 meters.
Right peak of large barn	344	54	..	⅝ mile.
Near peak of roof of house	350	02	..	⅝ mile.

McCONNELL.

General locality.—Southeastern shore of Miles River, near west side of entrance to a small cove about 1½ miles east-northeast of Long Point and 1⅝ miles southwest of Miles River bridge. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land about 6 feet above high water, 15 yards southeast of edge of bank, 20 yards south of point of bank, and 40 yards west of edge of field at trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Kirk" (S 51° 55′ W)	0	00	00	⅝ mile.
Left peak of roof of house	3	39	..	2½ miles.
Left peak of large house	28	52	..	¾ mile.
Front peak of house	45	04	..	½ mile.
"St. Michaels Water Tank"	46	40	20	4¼ miles.
Spindle on barn cupola	114	02	..	½ mile.

References—Continued.	°	′	″		
Left corner of plastered house	120	37	..	.....	½ mile.
Right corner of large house	145	16		.....	⅝ mile.
Right corner of house	169	12		.....	⅞ mile.
Nail in blaze in cherry tree (5 inches diameter)	190	40	30	.....	39.78 meters.
Nail in blaze in cherry tree (8 inches diameter)	213	24	40	.....	37.57 meters.
Nail in blaze in cherry tree (10 inches diameter)	237	57	00	.....	53.92 meters.
Right peak of barn	311	22	..	.....	¼ mile.

KIRK.

General locality.—Southeastern shore of Miles River, between two creeks about 1 mile east of Long Point. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field, 7 feet above high water, 15 yards southeast of edge of bank, 35 yards west-southwest of point of bank covered with trees, and 40 yards west-northwest of a large sycamore tree.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Ham" (S 42° 29′ W)	0	00	00	.....	½ mile.
Near peak of large house	5	30	..	.....	1¾ miles.
Left corner of large house	76	08	..	.....	½ mile.
Highest near peak of house	94	49	..	.....	⅜ mile.
Right front peak of large house	135	52	..	.....	⅜ mile.
Nail in blaze in cedar tree (6 inches diameter)	158	58	20	.....	28.33 meters.
Left corner of large house	167	33	..	.....	1½ miles.
Center of windmill tower	178	17	..	.....	2⅛ miles.
Spindle on right barn cupola	189	36	..	.....	¾ mile.
Nail in blaze in cedar tree (5 inches diameter)	203	16	10	.....	37.05 meters.
Left peak of roof of large house	213	58	..	.....	⅜ mile.
Nail in blaze in sycamore tree (3 feet diameter)	234	24	30	.....	34.98 meters.
Spindle on barn cupola	346	07	..	.....	½ mile.
Left corner of square house	355	12	..	.....	½ mile.

HAM.

General locality.—Southeastern shore of Miles River, about ⅝ mile east-southeast of Long Point, ½ mile southeast of entrance to Hunting Creek, and ½ mile northeast of entrance to Newcomb Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated land about 6 feet above high water, 12 yards south-southeast of edge of bank, 20 yards west-southwest of wooden fence at orchard, 65 yards north-northwest of fence at road, 70 yards west-northwest of large, square house, and 70 yards northwest of corner of fence.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Comb" (S 29° 52′ W)	0	00	00	.....	⅜ mile.
Left peak of house	32	17			1 [illegible] miles.
Near peak of large house	62	08	..	.....	1¾ miles.
"St. Michaels P. E. Church spire"	80	30	50	.....	3½ miles.
"St. Michaels Water Tank"	82	09	20	.....	3¾ miles.
Near peak of house	113	17	..	.....	1¾ miles.
Left corner of house	146	00	..	.....	⅝ mile.
Front peak of large colonial house	175	06	..	.....	¾ mile.
Nail in blaze in fence post	187	33	20	.....	17.32 meters.
Near corner of large house	195	43	..	.....	3 miles.
Nail in blaze in cherry tree (24 inches diameter)	230	54	00	.....	21.67 meters.
Left corner of house	250	47	..	.....	73 yards.
Nail in blaze in cherry tree (24 inches diameter)	255	51	50	.....	36.78 meters.
Spindle on barn cupola	305	51	..	.....	⅝ mile.
Large, long sycamore tree	359	17	..	.....	¼ mile.

COMB.

General locality.—Southeastern shore of Miles River about ⅛ mile north of entrance to Newcomb Creek and ¾ mile northeast of railroad bridge across entrance to Oak Creek. (See Chart No. 34.)

Immediate locality.—Observed station is in cultivated field about 6 feet above high water, 35 yards southeast of edge of bank, 30 yards east of edge of bank, 45 yards north of edge of bank on range with point, and 300 yards southwest of large lone sycamore tree.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above the surface of the ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Hall" (S 42° 06′ W)	0	00	00	.....	¾ mile.
Left peak of house	31	22	..	.....	1⅛ miles.
"St. Michaels Water Tank"	75	56	30	.....	3⅝ miles.
Chimney outside of left end of Fogg cottage	80	56	..	.....	3⅝ miles.
Weather vane on tower of Dodson house	95	57	..	.....	4 miles.
Cupola on barn	122	11	..	.....	1⅝ miles.
Left corner of house	146	52	..	.....	1 mile.
Large lone sycamore tree	168	36	..	.....	300 yards.
Windmill in range with house	187	18	..	.....	1¼ miles.
Stack of cannery	317	48	..	.....	¾ mile.
Spindle on barn cupola	325	59	..	.....	½ mile.

HALL.

General locality.—Southern shore of Miles River about 100 yards west of west end of railroad trestle across entrance to Oak Creek, and 100 yards east of Royal Oak railway station. (See Chart No. 34.)

Immediate locality.—Observed station is in marsh about 1 foot above high water, 30 yards southwest of shore, 40 yards south of shore, 85 yards west-northwest of shore at corner of shed, and 35 yards north-northeast of near rail of railway track.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above the surface of the ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Barnett" (N 39° 14′ W)	0	00	00	.....	¾ mile.
Center of tower on Dodson house	7	37	..	.....	4⅛ miles.
Chimney of middle of Hall Building	28	03	..	.....	2⅝ miles.
Near chimney of Speck house	62	40	..	.....	1⅝ miles.
Chimney of Dorrance house	71	47	..	.....	2½ miles.
Chimney on southeast end of house	108	32	..	.....	½ mile.
Left tangent of shed	147	08	..	.....	85 yards.
Northwest peak of barn	165	55	..	.....	¼ mile.
North peak of Kirby house	234	38	..	.....	½ mile.
Chimney of house	281	37	..	.....	¼ mile.
Chimney on railroad station	299	12	..	.....	100 yards.
Left chimney of house	330	38	..	.....	½ mile.

BARNETT.

General locality.—Southern shore of Miles River about ¾ mile northwest of entrance to Oak Creek, and ⅞ mile southeast of entrance to Spencers Cove. (See Chart No. 34.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 9 yards southwest of shore, 12 yards northwest of shore, 18 yards west-northwest of extreme end of point, and 8 yards northeast of foot of a bank 6 feet high.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Maiden" (N 26° 26′ W)	0	00	00	.....	½ mile.
Cupola of Rieman barn	16	16	..	.....	2⅜ miles.
Left chimney of Hall house	25	57	..	.....	2 miles.
Near chimney of house	76	47	..	.....	1½ miles.
Windmill	85	05	..	.....	2 miles.
Left chimney of house	93	46	..	.....	2 miles.
Near chimney of square roof house	102	21	..	.....	1⅝ miles.
Spindle on cupola on barn	140	28	..	.....	1 mile.
Southwest peak of barn	162	36	..	.....	⅞ mile.
Nail in blaze in oak tree (26 inches diameter)	177	12	50	.....	9.22 meters.
Nail in blaze in cedar tree (8 inches diameter)	228	16	40	.....	5.04 meters.
Nail in blaze in pine tree (16 inches diameter)	256	11	20	.....	10.29 meters.

MAIDEN.

General locality.—Southwestern shore of Miles River about ½ mile west of Long Point and 2¼ miles southeast of St. Michaels. (See Chart No. 34.)

Immediate locality.—Observed station is just outside of a fringe of trees near a small marsh skirting the shore on a point about 3 feet above high water, 3 yards south of shore, 5 yards northeast of foot of bank, 7 yards east of point of bank. Cement monument marking reference station is 4.34 meters S 16° 57′ W of observed station. Stone monument marking "Miles River" (1899) is 38.22 meters S 48° 29′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. New reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Old triangulation station (Miles River, 1899) is center of cross lines on 6-inch square top stone monument.

References.—	°	′	″		
"Stony" (N 48° 53′ W)	0	00	00	.....	⅞ mile.
Right chimney of house	5	01	..	.....	2⅜ miles.
Weather vane on Dodson house	18	25	..	.....	2⅞ miles.
Left tangent of woods on Fairview Point	32	34	..	.....	2½ miles.
Cupola on Rieman barn	42	46	..	.....	2 miles.
Northwest chimney of house	55	21	..	.....	1⅝ miles.
Weather vane on barn cupola	69	32	..	.....	1¾ miles.
North chimney of house	128	13	..	.....	2¼ miles.
Large square chimney on old house	143	04	..	.....	1½ miles.
"Miles River 1899," stone monument	180	24	00	.....	38.22 meters.
Chimney on near side of roof of large building	190	48	..	.....	1⅜ miles.
West peak of large building near draw	198	07	..	.....	1⅛ miles.
REFERENCE STATION (cement monument)	245	50	40	.....	4.34 meters.
Nail in blaze in cherry tree (22 inches diameter)	259	04	50	.....	4.86 meters.
Nail in blaze in cedar tree (5 inches diameter)	310	27	20	.....	3.37 meters.
Nail in blaze in cedar tree (8 inches diameter)	335	15	20	.....	3.73 meters.
Chimney of Slater house	353	23	..	.....	⅝ mile.

STONY.

General locality.—Southwestern shore of Miles River on point at east side of entrance to Spencer Cove about 1¼ miles southeast of St. Michaels. (See Chart No. 34.)

Immediate locality.—Observed station is in clump of large oak and birch trees about 8 feet above high water, 14 yards south of shore, 16 yards south-southwest of a point and 12 yards west of another point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe with top 2 inches below base of monument.

References.—	°	′	″		
"Millwind" (N 31° 16′ W)	0	00	00	.....	1½ miles.
Weather vane on tower of Dodson house	7	41	..	.....	2¼ miles.
Near peak of cupola on Rieman barn	50	21	..	.....	1⅝ miles.
Peak of west gable of Hall house	63	47	..	.....	1⅜ miles.
Spindle on cupola of house	80	10	..	.....	1¼ miles.
Tangent of trees	162	22	.	.....	¼ mile.
Nail in blaze in white oak tree (9 inches diameter)	213	25	20	.....	4.51 meters.
Nail in blaze in holly tree (13 inches diameter)	242	33	00	.....	9.43 meters.
Nail in blaze in pine tree (10 inches diameter)	317	04	10	.....	12.34 meters.
Flagstaff on water tank	334	33	..	.....	1½ miles.
Left chimney of house	342	59	..	.....	1⅝ miles.

CHLORA.

General locality.—Northeastern shore of Choptank River, on Chlora Point, about 1½ miles south-southeast of entrance to Island Creek, 1½ miles northwest of entrance to La Trappe Creek, and 2⅜ miles southeast of Choptank River Light. (See Chart No. 35.)

Immediate locality.—Observed station is about 8 feet above high water, 6 yards east-northeast of edge of bank, 9 yards south of wire fence, and 18 yards north of edge of bank at walnut tree. Cement monument marking reference station is 6.91 meters N 78° 43′ E of observed station.

Marks.—Observed station is hole in center of cement-filled tile pipe 4 inches diameter with top about 2 inches below surface of ground. Reference station is center point of triangle on standard cement monument projecting 4 inches above the surface of the ground.

References.—	°	′	″		
"Choptank River Light" (N 57° 03′ W)	0	00	00	.....	2⅜ miles.
Nail in blaze in wild-cherry tree (3 inches diameter)	74	39	10	.....	3.11 meters.
Nail in blaze in cedar tree (4 inches diameter)	129	31	00	.....	9.01 meters.
REFERENCE STATION	135	46	10	.....	6.91 meters.
Nail in blaze in walnut tree (14 inches diameter)	220	12	10	.....	16.70 meters.
Near peak of house	254	53	..	.....	3 miles.
Spindle on cupola	267	24	..	.....	2⅜ miles.
"Large Water Tank"	294	46	30	.....	1 1/2 miles.

TRAPPE.

General locality.—Northern shore of Choptank River, at west side of entrance to La Trappe Creek, about 1¼ miles southeast of Chlora Point. (See Chart No. 35.)

Immediate locality.—Observed station is on grassy gravel point about 3 feet above high water, 4 yards north of shore, 6 yards east-northeast of shore, and 17 yards south by east of large cedar tree. Cement monument marking reference station is 12.62 meters N 47° 40′ E of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 2 inches above surface of ground.

References.—	°	′	″		
"Lan" (N 25° 07′ E)	0	00	00	.....	½ mile.
Cedar tree	11	05	..	.....	35 yards.
Red beacon	96	50	00	.....	¼ mile.
Right chimney of house	130	16	..	.....	3 miles.
"Black Beacon"	145	54	40	.....	¼ mile.
Northerly peak of Travers Wharf house	196	15	..	.....	2⅞ miles.
Center of smaller water tank	241	02	..	.....	2⅝ miles.
"Large Water Tank"	241	44	30	.....	2⅝ miles.
Nail in blaze in cedar tree (20 inches diameter)	294	50	50	.....	7.23 meters.
REFERENCE STATION	350	06	40	.....	12.62 meters.
Nail in blaze in cedar tree (22 inches diameter)	353	23	40	.....	15.99 meters.

LAN.

General locality.—Northwestern shore of La Trappe Creek, about ¾ mile north of Choptank River. (See Chart No. 35.)

Immediate locality.—Observed station is on tree-fringed high land about 10 feet above high water, 8 yards southeast of shore, 85 yards north of shore, and 105 yards northeast of extreme end of point.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Rice" (N 60° 09′ E)	0	00	00	.....	⅜ mile.
Near peak of barn	16	13	..	.....	¾ mile.
Chimney of abandoned house	41	40	..	.....	⅜ mile.
Chimney of 1½-story house	47	44	..	.....	⅜ mile.
Peak of metal-roofed barn	62	58	..	.....	½ mile.
Chimney of house in trees	69	06	..	.....	½ mile.
Nail in blaze in locust tree (4 inches diameter)	185	07	30	.....	12.46 meters.
"Large Water Tank" (Castlehaven)	198	49	00	.....	2⅞ miles.
Chimney on small house	235	52	..	.....	¼ mile.
Nail in blaze in locust tree (6 inches diameter)	292	39	00	.....	26.39 meters.
Near peak of barn	336	14	..	.....	¾ mile.

RICE.

General locality.—Northwestern shore of La Trappe Creek, about ⅛ mile northeast of a wharf and ¾ mile north-northeast of Choptank River. (See Chart No. 35.)

Immediate locality.—Observed station is on tree-fringed cultivated land, about 3 feet above high water, 28 yards south of shore, 15 yards south of edge of marsh and cultivated land, and 50 yards west of a small creek.

Marks.—Observed station is center point of triangle on standard cement monument projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Gis" (S 14° 38′ W)	0	00	00	.....	⅜ mile.
Nail in blaze in locust tree (5 inches diameter)	12	23	30	.....	21.00 meters.
Chimney between two 1-story houses	57	22	..	.....	125 yards.
Near peak of barn	91	01	..	.....	¼ mile.
Chimney of small house	205	01	..	.....	150 yards.
Near peak of barn	254	34	..	.....	⅜ mile.
Nail in blaze in locust tree (5 inches diameter)	255	54	40	.....	19.23 meters.
Nail in blaze in locust tree (3 inches diameter)	314	02	20	.....	11.99 meters.

INEZ.

General locality.—Eastern shore of La Trappe Creek, on southwestern shore of a small cove about ¾ mile northeast of Choptank River. (See Chart No. 35.)

Immediate locality.—Observed station is on high land in pasture field about 10 feet above high water, 3 yards south of edge of tree-fringed bank, and 125 yards northeast of small house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top about 2 inches below base of monument.

References.—	°	′	″		
"Gis" (S 60° 27′ W)	0	00	00	.....	⅛ mile.
Chimney of 1½-story house	3	22	..	.....	125 yards.
Near peak of abandoned house	19	36	..	.....	125 yards.
Nail in blaze in hackberry tree (3 inches diameter)	41	31	20	.....	11.11 meters.
Point of dairy roof	82	20	..	.....	¼ mile.
Chimney of 1½-story house	87	28	..	.....	¼ mile.
Peak of roof of small house	122	59	..	.....	¼ mile.

References—Continued.	°	′	″		
Peak of barn	130	00	..	.....	⅞ mile.
Nail in blaze in locust tree (4 inches diameter)	151	19	40	.	3.44 meters.
Peak of barn	282	34	..	.....	⅛ mile.
Right chimney of house in trees	302	19	..	.....	¼ mile.
"Black Beacon"	339	49	40	.....	⅞ mile.

GIS.

General locality.—Southeastern shore of LaTrappe Creek, about ¼ mile south of a wharf, and ½ mile northeast of Choptank River. (See Chart No. 35.)

Immediate locality.—Observed station is on sand and marsh point about 1 foot above high water, 11 yards southeast of shore, 13 yards north of shore, 20 yards northeast of shore, and 30 yards north of high cultivated land.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Grubin" (S 20° 49′ W)	0	00	00	.....	⅜ mile.
"Black Beacon"	14	34	50	.....	⅝ mile.
Red Beacon	20	09	30	.....	⅝ mile.
Chimney of house	93	09	..	.....	1 mile.
Left chimney on house	149	29	..	.....	⅜ mile.
Chimney between two small houses	161	51	..	.....	¼ mile.
Near peak of 1½-story house	180	36	..	.....	⅜ mile.

GRUBIN.

General locality.—Northern shore of Choptank River on east side of entrance to La Trappe Creek. (See Chart No. 35.)

Immediate locality.—Observed station is on grassy marsh back of gravel beach, about 1 foot above high water, 13 yards east of shore, 13 yards south of shore, 20 yards southeast of extreme end of point, and 100 yards northwest of pond.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Howard" (S 1° 21′ W)	0	00	00	.....	2⅞ miles.
South peak of Travers Wharf house	45	02	..	.....	3 miles.
"Black Beacon"	51	56	10	.....	¼ mile.
Center of smaller water tower	86	56	..	.....	3 miles.
"Large water tank"	87	49	30	.....	2⅞ miles.
Red Beacon	90	47	10	.....	¼ mile.
South peak of shed	153	07	..	.....	⅝ mile.
Near peak of barn	181	58	..	.....	⅝ mile.
Nail in blaze in stump (7 inches diameter)	194	47	40	.....	12.17 meters.
Chimney of house	199	51	..	.....	⅜ mile.
Nail in blaze in cedar tree (5 inches diameter)	225	34	30	.....	12.04 meters.

BLACK BEACON.

General locality.—Northeastern shore of Choptank River off entrance to LaTrappe Creek, about 1⅝ miles northeast of Horn Point. (See Chart No. 35.)

Immediate locality.—Observed station is on a cylindrical foundation known as LaTrappe Creek outer light.

Marks.—Observed station is center point of lantern on LaTrappe Creek outer light.

References.—None necessary.

HOWELLS.

General locality.—Northern shore of Choptank River on Howells Point about 1⅝ miles east of Horn Point, 2 miles north of entrance to Jenkins Creek, and 2 miles northwest of Hambrooks Bar Beacon. (See Chart No. 35.)

Immediate locality.—Observed station is on a long grassy gravel point about 3 feet above high water, 50 yards south-southeast of old fish shanty and trees, 25 yards south of highest level part of land, 11 yards west of shore, 3 yards east of shore, and ¼ mile north of extreme end of point. Cement monument marking reference station is 22.82 meters N 17° 53′ E of observed station.

Marks.—Observed station is nail in center of cedar stub in center of 4-inch tile pipe with top of pipe 4 inches below surface of ground. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—

	°	′	″	
"Red" (N 78° 26′ E)	0	00	00	1⅝ miles.
South peak of Kirby Wharf house	12	35	..	2 miles.
"Hambrooks Bar Beacon"	44	16	50	2 miles.
Flagstaff on boathouse	57	19	..	1⅝ miles.
"Dicks Water Tank"	62	22	10	1¾ miles.
"Cambridge Standpipe"	69	41	10	3¼ miles.
Spindle on barn cupola	137	22	..	1¾ miles.
"Large water tank"	209	51	40	3⅜ miles.
"Black Beacon"	251	22	20	1⅛ miles.
Nail in blaze in dead locust tree (15 inches diameter)	285	21	50	9.83 meters.
Nail in blaze in locust tree (3 inches diameter)	294	01	40	13.67 meters.
Nail in blaze in pin oak tree (11 inches diameter)	297	50	10	27.28 meters.
REFERENCE STATION	299	26	40	22.82 meters.

RED.

General locality.—Northern shore of Choptank River at eastern side of Dickinsons Bay, about 1⅝ miles east-northeast of Howells Point and ¾ mile northwest of Kirby Wharf. (See Chart No. 35.)

Immediate locality.—Observed station is on cultivated land on first high bluff upstream from Howells Point, about 12 feet above high water, 8 yards northeast of edge of bank, 10 yards north of edge of bank, and 10 yards east of edge of bank. Cement monument marking reference station is 23.65 meters N 89° 58′ E of observed station and almost on line with east chimney of house.

Marks.—Observed station is nail in stub in center of 2-inch tile pipe with top of pipe 6 inches below surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—

	°	′	″	
"Hambrooks Bar Beacon" (S 3° 39′ E)	0	00	00	1⅜ miles.
"Cambridge Standpipe"	0	30	10	3 miles.
"Dicks Water Tank"	19	34	50	1¾ miles.
Center of silo tower	51	38	..	3 miles.
"Large Water Tank"	102	32	50	4¾ miles.
Near peak of barn with two cupolas	148	28	..	1 mile.
REFERENCE STATION	229	16	20	23.63 meters.
East chimney of house	229	38	..	¼ mile.
Near peak of large barn	282	07	..	¾ mile.
Right peak of Kirby Wharf house	308	26	..	⅝ mile.
Near peak of hospital	348	39	..	3¼ miles.
"East Cambridge Tall Stack"	351	07	40	3 miles.

DOUBLE.

General locality.—Northern shore of Choptank River nearly opposite Cambridge about 1 mile northwest of entrance to Bolingbroke Creek and 1½ miles east of Hambrooks Bar Beacon. (See Chart No. 35.)

Immediate locality.—Observed station is on point of marsh separated from field by a row of locust trees about 12 yards northeast of shore, 20 yards north of shore, 14 yards east of shore, and 30 yards south of a large wild-cherry tree.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"East Cambridge tall stack" (S 32° 33′ W)	0	00	00	1¾ miles.
"Dicks Water Tank"	51	44	20	2 miles.
"Hambrooks Bar Beacon"	60	01	00	1½ miles.
"Large Water Tank"	76	25	40	6⅜ miles.
Chimney of house	107	34	..	2⅛ miles.
Nail in blaze in wild-cherry tree (24 inches diameter)	142	08	30	26.69 meters.
Nail in blaze in locust tree (5 inches diameter)	177	10	40	24.92 meters.
Chimney outside of near end of house	177	29	..	½ mile.
Nail in blaze in wild-cherry tree (4 inches diameter)	207	20	40	34.66 meters.
Spindle on barn cupola	248	23	..	⅝ mile.
Chimney of house	320	47	..	2¼ miles.
Spindle on cupola	347	55	..	2 miles.
Near peak of hospital	354	52	..	1¾ miles.

BOLING.

General locality.—Northern shore of Choptank River on an island in entrance to Bolingbroke Creek about ¾ mile northwest of Chancellors Point and 2 miles east-northeast of Cambridge. (See Chart No. 35.)

Immediate locality.—Observed station is in rushes on a sandy marsh about 3 feet above high water, 6 yards northeast of shore, 7 yards north of shore, 8 yards east of shore, and 160 yards northwest by north of entrance to Bolingbroke Creek.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"East Cambridge Tall Stack" (S 60° 19′ W)	0	00	00	1⅞ miles.
Chimney outside of left end of mansard-roof house	33	11	..	2⅞ miles.
Flagpole on boathouse	37	05	..	2¾ miles.
"Hambrooks Bar Beacon"	44	30	00	2⅜ miles.
Nail in blaze in cedar tree (8 inches diameter)	134	40	30	26.53 meters.
Nail in blaze in old cedar stump (13 inches diameter)	191	30	00	5.29 meters.
Near peak of barn cupola	249	14	..	1¾ miles.
Near peak of barn	270	14	..	1⅛ miles.
Chimney of house	294	34	..	1½ miles.
Nail in blaze in cedar tree (11 inches diameter)	300	25	40	4.56 meters.
Chimney of house	313	10	..	1⅝ miles.

REAR.

General locality.—Northern shore of Choptank River about ⅛ mile northwest of Chancellors Point and ¼ mile southeast of entrance to Bolingbroke Creek. (See Chart No. 35.)

Immediate locality.—Observed station is in cultivated field on bluff about 12 feet above high water, 65 yards north of edge of bank, 110 yards northeast of edge of bank and trees, 160 yards east of edge of bank, and 95 yards northwest of bottom of gully.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Barber" (N 35° 22′ E)	0	00	00	1 mile.
Near corner of square cupola	27	51	..	¼ mile.
Chimney of house	78	16	..	1½ miles.
Near peak of barn cupola	105	00	..	1¼ miles.
Near peak of large barn	136	08	..	1⅝ miles.
Left peak of large barn	177	19	..	1¾ miles.
Barn cupola	214	22	..	2 miles.
"Cambridge Standpipe"	221	13	50	2¾ miles.
"Hambrooks Bar Beacon"	255	40	50	3 miles.
"Large Water Tank"	257	19	00	8¼ miles.
Chimney of house	280	15	..	1¼ miles.
Chimney outside near end of house	288	83	..	1¾ miles.

CHANCELLOR.

General locality.—Northern shore of Choptank River on Chancellors Point about ¾ mile north of entrance to Hurst Creek and ¾ mile southeast of entrance to Bolingbroke Creek. (See Chart No. 35.)

Immediate locality.—Observed station is on sand and grass point about 1 foot above high water, 35 yards west of shore, 35 yards northeast of shore, 60 yards north by west of extreme end of point, 13 yards south of line of cedar stumps, 27 yards southeast of large lone pine tree, and almost on range of Cambridge Standpipe and left peak of hospital. Cement monument marking reference station is 4.70 meters N 31° 31′ W of observed station and almost on line to large lone pine tree.

Marks.—Observed station is nail in cedar stub in center of 4-inch tile pipe with top flush with surface of ground. Reference station is center point of triangle on standard cement monument projecting 6 inches above surface of ground.

References.—

	°	′	″	
"Cambridge Standpipe" (S 78° 00′ W)	0	00	00	2⅞ miles.
REFERENCE STATION	70	29	10	4.70 meters.
Nail in blaze in lone pine tree (16 inches diameter)	71	00	00	24.74 meters.
Southeast corner of square cupola	115	45	..	350 yards.
Nail in blaze in cedar stump (16 inches diameter)	122	32	50	12.40 meters.
Chimney of house	216	38	..	1¼ miles.
Near peak of house	245	53	..	1⅛ miles.
Chimney on left end of house	282	44	..	1¼ miles.
Chimney of house	328	52	..	1⅝ miles.
Nail in blaze in small pine tree	350	04	40	23.26 meters.
Left peak of hospital	359	06	..	2¼ miles.

BARBER.

General locality.—Northwestern shore of upper Choptank River about 1 mile north-northeast of Chancellors Point and about ⅞ mile west-southwest of Goose Point. (See Chart No. 35.)

Immediate locality.—Observed station is on marsh about 2 feet above high water, 12 yards north-northwest of county road and shore, 45 yards west-southwest of a cabin on the county road, 25 yards west of two cedar trees just across road, and 65 yards south of a wire fence.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe with top 2 inches below base of monument.

References.—	°	′	″		
"Duck" (N 75° 49′ E)	0	00	00	.....	⅞ mile.
Nail in blaze in cedar tree (10 inches diameter)	5	04	50	.....	19.17 meters.
Smokepipe on wharf house	35	48	..	.....	1½ miles.
Near peak of house	57	00	..	.....	1⅛ miles.
Northwest peak of house	92	22	..	.....	1¾ miles.
Chimney on left end of house	116	41	..	.....	2¼ miles.
Near peak of house with square cupola	133	33	..	.....	⅞ mile.
Large lone tree	208	40	..	.....	350 yards.
Nail in blaze in cedar tree (5 inches diameter)	209	58	40	.....	36.42 meters.
Nail in blaze in persimmon tree (5 inches diameter)	323	12	30	.....	36.01 meters.
Near corner of barn	347	15	..	.....	21.96 meters.
Nail in blaze in cedar tree (10 inches diameter)	359	16	50	.....	20.12 meters.

DUCK.

General locality.—Northern shore of Choptank River on Goose Point ¾ mile north of Oyster Shell Point and 1¾ miles northeast of Chancellors Point. (See Chart No. 35.)

Immediate locality.—Observed station is on edge of sand beach on lower part of point about on level with high water, 15 to 20 yards southeast of a group of cedar and persimmon trees. Cement monument marking reference station is 12.61 meters N 28° 19′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—	°	′	″		
"Jam" (N 35° 54′ E)	0	00	00	.....	1⅜ miles.
Left peak of large barn	46	01	..	.....	1¾ miles.
Center of roof of house	82	31	..	.....	1⅜ miles.
Smoke pipe on wharf house	115	52	..	.....	⅞ mile.
Left peak of barn cupola	160	21	..	.....	2 miles.
Near corner of square chimney of house	174	03	..	.....	2¾ miles.
Chimney of house	192	50	..	.....	4 miles.
Near corner of square cupola on house	197	16	..	.....	1⅝ miles.
Nail in blaze in persimmon tree (2 inches diameter)	238	59	40	.....	21.22 meters.
REFERENCE STATION	295	47	30	.....	12.61 meters.
Nail in blaze in persimmon tree (3 inches diameter)	297	48	50	.....	15.20 meters.
Nail in blaze in cedar tree (3 inches diameter)	332	27	20	.....	14.28 meters.

JAM.

General locality.—Western shore of Choptank River on Jamaica Point opposite entrance to Warwick River. (See Chart No. 35.)

Immediate locality.—Observed station is on marsh point about 3 feet above high water, 25 yards west-northwest of end of wharf, 7 yards north of county road, 11 yards northeast of county road, 13 yards south of shore, 8 yards west-southwest of shore, and 30 yards north by east of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Spindle" (N 14° 53′ W)	0	00	00	.....	⅜ mile.
Chimney outside near end of house	16	33	..	.....	2 miles.
Chimney of large house	19	46	00	.....	2 miles.
"Wick"	70	04			¼ mile.
Chimney of house	82	48	..	.....	1⅜ miles.
Left chimney of large brick house	90	07	..	.....	1½ miles.
Left corner of wharf house	95	57	20	.....	49.81 meters.
Right corner of wharf house	108	14	..	.....	46.85 meters.
Nail in first plank on level part of wharf	110	03	50	.....	24.94 meters.
Near peak of large barn	144	56	..	.....	1½ miles.
Chimney of house	171	30	..	.....	2 miles.
Near peak of house	202	51	..	.....	2¼ miles.
Near peak of house near wharf	211	21	..	.....	2 miles.
Right peak of barn cupola	218	30	..	.....	2½ miles.
Near corner of fence	269	38			¼ mile.

SPINDLE.

General locality.—Western shore of upper Choptank River about ⅜ mile north of Jamaica Point Wharf. (See Chart No. 35.)

NOTE.—This triangulation landmark was destroyed before this publication was prepared, and therefore it is not described, although its name and location are shown on Chart No. 35.

BANK.

General locality.—Western shore of upper Choptank River about 1 mile north-northwest of Jamaica Point and 1¼ miles southwest of entrance to Cabin Creek. (See Chart No. 35.)

Immediate locality.—Observed station is in a cultivated field on a tree-fringed bluff about 20 feet above high water, 10 yards northwest of edge of bluff, 10 yards west of edge of bluff, and 12 yards north of edge of bluff.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Raccoon" (N 19° 26′ E)	0	00	00	.....	⅝ mile.
Left chimney of modern house	5	55	..	.....	1¼ miles.
Nail in blaze in branch of double oak tree (12 and 18 inches diameter)	34	56	40	.....	7.03 meters.
Chimney of house in woods	54	30	..	.....	1½ miles.
Chimney of shanty in woods	86	07	..	.....	1⅞ miles.
Chimney of house	103	23	..	.....	1¾ miles.
Nail in blaze in oak tree (8 inches diameter)	124	13	10	.....	8.55 meters.
Nail in blaze in cedar tree (7 inches diameter)	161	00	10	.....	21.11 meters.
Front peak of house	168	29	..	.....	⅛ mile.

RACCOON.

General locality.—Western shore of upper Choptank about ⅜ mile south of entrance to a small creek, 1¼ miles north of Jamaica Point, and 1 mile west of entrance to Cabin Creek. (See Chart No. 35.)

Immediate locality.—Observed station is between 2 clumps of trees on sandy marsh about 2 feet above high water, 8 yards northwest of shore, 12 yards west of shore, 16 yards north of shore, and 200 yards southwest of woods beyond marsh.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Blind" (N 52° 15′ E)	0	00	00	.....	¾ mile.
Chimney outside near end of house	34	22	..	.....	1¾ miles.
Near peak of modern house	41	07	..	.....	1⅛ miles.
Chimney of house	77	59	..	.....	1¾ miles.
Near peak of house	105	09	..	.....	2 miles.
Chimney of house	113	14	..	.....	3⅛ miles.
Near peak of Jamaica Point Wharf house	120	42	..	.....	1¼ miles.
Left corner of house	144	31	..	.....	1 mile.
Nail in blaze in oak tree (10 inches diameter)	155	21	50	.....	12.66 meters.
Nail in blaze in large pine tree (12 inches diameter)	204	45	40	.....	37.12 meters.
Nail in blaze in oak tree (10 inches diameter)	329	46	20	.....	26.50 meters.
Chimney outside near end of house	350	04	..	.....	⅝ mile.

BLIND.

General locality.—Northwestern shore of Choptank River about ½ mile west-northwest of entrance to Cabin Creek, and 2 miles north of Jamaica Point. (See Chart No. 35.)

Immediate locality.—Observed station is on a marsh point between river and line of locust trees about 1 foot above high water, 11 yards north of shore, 15 yards west of shore, 16 yards northeast of shore at duck blind, and 25 yards east by north of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Up" (N 61° 44′ E)	0	00	00	.....	¾ mile.
Chimney outside of near end of old house	47	17	..	.....	1 mile.
Peak of side gable of modern house	57	24	..	.....	1¼ miles.
Right peak of Jamaica Point wharf house	131	24	..	.....	2 miles.
Chimney on house	162	44	..	.....	1¾ miles.
Nail in blaze in locust tree (4 inches diameter)	201	23	50	.....	10.28 meters.
Nail in blaze in locust tree (4 inches diameter)	226	52	20	.....	7.53 meters.
Nail in blaze in locust tree (6 inches diameter)	270	06	10	.....	5.72 meters.
Nail in blaze in locust tree (10 inches diameter)	322	04	50	.....	14.25 meters.

UP.

General locality.—Northwestern shore of upper Choptank River about ¾ mile north of entrance to Cabin Creek and 2¼ miles north-northeast of Jamaica Point. (See Chart No. 35.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 55 yards northwest of extreme end of point, 25 yards west of shore, and 20 yards north of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 8 inches above surface of marsh. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Myrtle" (S 60° 25′ E)	0	00	00	⅜ mile.
Peak of side gable of modern house	34	14	..	1 mile.
Chimney of old house	56	10	..	⅝ mile.
Tangent of point	77	45	..	1 mile.
House	111	45	..	1⅞ miles.
Tangent of point	122	02	..	⅝ mile.
House	273	00	..	1¼ miles.
Tangent of point	305	15	..	175 yards.

MYRTLE.

General locality.—Eastern shore of upper Choptank River about ½ mile north of entrance to Cabin Creek. (See Chart No. 35.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 17 yards east of shore, 20 yards south of extreme end of point, 15 yards southwest of small gut, and 250 yards west of woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Hut" (S 7° 47′ W)	0	00	00	⅜ mile.
Left peak of old barn	6	41	.	⅞ mile.
Tangent of point	32	14	.	⅞ mile.
Chimney of house	53	01	.	2 miles.
Chimney outside east end of house	78	42	..	1¼ miles.
Near peak of shanty	157	18	..	¾ mile.
Stack of cannery at Choptank	180	51	..	2¾ miles.
Left peak of house	194	19	..	2¼ miles.
Tangent of point	203	56	..	¼ mile.
Right peak of roof showing over woods	314	37	..	¾ mile.
Large lone pine tree	333	11	..	300 yards.

HUT.

General locality.—Eastern shore of upper Choptank River on north side of entrance to Cabin Creek. (See Chart No. 35.)

Immediate locality.—Observed station is on a marsh point about 1 foot above high water, 15 yards east of shore, 50 yards northwest of shore, 20 yards northeast of extreme end of point, 90 yards southwest of a hut, and 80 yards south-southwest of trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"House" (S 46° 38′ W)	0	00	00	¾ mile.
Chimney of house	25	27	..	1¾ miles.
Chimney outside of house	60	33	..	1¼ miles.
Cupola on barn	132	48	..	2½ miles.
Right corner of hut	173	53	20	90 yards.
Chimney outside near end of old house	242	13	..	½ mile.
Peak of near gable of modern house	281	42	..	½ mile.
Right peak of old barn	337	43	..	⅜ mile.

HOUSE.

General locality.—Eastern shore of Choptank River about ¼ mile south of entrance to Cabin Creek, 1 mile north of entrance to Warwick River, and on south side of a small cove. (See Chart No. 35.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 14 yards south of shore, 26 yards southeast of shore, 35 yards southwest by west of shore and mouth of small creek in marsh and 175 yards north of woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 3 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″	
"Saw" (S 6° 22′ W)	0	00	00	⅜ mile.
Two pine trees	5	40		
Left peak of shanty	126	49		1⅛ miles.
Chimney outside near end of house	131	06		1⅛ miles.
Near peak of house	137	29		1⅛ miles.
Tangent of point	172	07		¼ mile.
Stack of cannery at Choptank	189	09		4 miles.
Near peak of house	193	59		4½ miles.
Near peak of shack	219	48		⅞ mile.
Cut in woods	348	16		½ mile.

SAW.

General locality.—Eastern shore of Choptank River about ½ mile northeast of entrance to Warwick River, and 1 mile northeast by east of Jamaica Point. (See Chart No. 35.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 22 yards east of shore, 26 yards southeast of shore, 37 yards northeast of shore, 200 yards west-northwest of dense woods.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe, buried with top 2 inches below base of monument.

References.—	°	′	″	
"Wick" (S 19° 01′ W)	0	00	00	¼ mile.
Right peak of Jamaica Point Wharf house	24	57		1 mile.
Left corner of very wide chimney on brick house	32	14		1¼ miles.
Right corner of railing on roof of house	70	36		1⅛ miles.
Chimney of house	86	44		1¼ miles.
Near peak of house	135	04		1¼ miles.
Chimney outside left end of house	152	42		2 miles.
Cupola or steeple	181	04	00	5 miles.
Near corner of brick house	311	51		¼ mile.

WICK.

General locality.—Eastern shore of upper Choptank River on northern side of entrance to Warwick River, about ¾ mile northeast of Jamaica Point. (See Chart No. 35.)

Immediate locality.—Observed station is on sandy ridge between beach and marsh, about 2 feet above high water, 8 yards northeast of shore, 10 yards north of shore, 9 yards east of shore, 100 yards southeast by east of extreme end of point, and 35 yards northwest of two pine trees. Cement monument marking reference station is 8.26 meters N 25° 00′ E of observed station.

Marks.—Observed station is nail in cedar stub with top flush with the surface of the ground. Reference station is center point of triangle on standard cement monument projecting 4 inches above surface of ground.

References.—	°	′	″		
"War" (S 2° 08′ E)	0	00	00	.....	5/8 mile.
Near peak of house in trees	2	21	..	.....	5/8 mile.
Smoke pipe on wharf house	27	13	..	.....	2 3/8 miles.
Tangent of Goose Point	45	55	..	.....	1 7/8 miles.
Right peak of Jamaica Point Wharf house	62	29	..	.....	5/8 mile.
Right corner of very wide chimney on brick house	68	42	..	.....	7/8 mile.
Left corner of cupola on roof	115	10	..	.....	1 1/8 miles.
Near peak of house	167	00	..	.....	2 3/8 miles.
REFERENCE STATION	207	07	20	.....	8.26 meters.
Nail in blaze in pine tree (12 inches diameter)	296	59	10	.....	30.06 meters.
Right pine tree	325	53	20	.....	400 yards.

WAR.

General locality.—Eastern shore of upper Choptank River on southern side of entrance to Warwick River, about 3/4 mile east-southeast of Jamaica Point. (See Chart No. 35.)

Immediate locality.—Observed station is on northern side of point of marsh about 1 foot above high water, 45 yards south of shore, 35 yards southeast of shore, 45 yards east of shore, and 35 to 45 yards southwest to west of woods. Cement monument marking reference station is 4.95 meters S 12° 18′ E of observed station.

Marks.—Observed station is nail in center of cedar stub with top flush with surface of ground. Reference station is center point of triangle on standard monument projecting 4 inches above surface of ground.

References.—	°	′	″		
"Gander" (S 11° 26′ W)	0	00	00	.....	3/4 mile.
Chimney of house	17	12	..	.....	2 miles.
Smoke pipe on wharf house	23	00	..	.....	1 3/4 miles.
Left chimney of small house	26	05	..	.....	2 miles.
Square cupola on large house	45	53	..	.....	3 1/4 miles.
Left peak of house	66	11	..	.....	1 1/8 miles.
Right corner of very wide chimney on brick house	90	11		.....	1 mile.
Left peak of Jamaica Point Wharf house	105	01	..	.....	5/8 mile.
Chimney of house	132	50	..	.....	1 3/4 miles.
Near peak of house	157	00	..	.....	2 3/8 miles.
Nail in blaze in pin oak tree (10 inches diameter)	186	09	50	.....	42.26 meters.
Nail in blaze in pine tree (11 inches diameter)	212	30	40	.....	41.75 meters.
Nail in blaze in pine tree (12 inches diameter)	245	18	30	.....	31.45 meters.
Nail in blaze in pine tree (12 inches diameter)	267	08	30	.....	30.11 meters.
REFERENCE STATION	336	16	20	.....	4.95 meters.
Chimney of house	353	07	..	.....	1 mile.

GANDER.

General locality.—Southeastern shore of Choptank River 3/8 mile southwest of entrance to Goose Creek about 1 3/8 miles east-northeast of Oystershell Point and about 1 1/8 miles south-southeast of Jamaica Point. (See Chart No. 35.)

Immediate locality.—Observed station is in an uncultivated field on bank about 6 feet above high water, 19 yards east of edge of bank, 33 yards northeast of edge of bank, 33 yards southeast of edge of bank, and 155 yards west of two large cedar trees at a paling fence.

Marks.—Observed station is center point of triangle on standard cement monument projecting 6 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Chief" (S 9° 44′ W)	0	00	00	⅝ mile.
Chimney of house	28	22	..	1¼ miles.
Smokepipe on wharf house	40	14	..	1⅛ miles.
Chimney of house	50	00	..	4½ miles.
"Cambridge Stand Pipe"	62	46	50	5¾ miles.
Chimney outside of house	113	39	..	1¼ miles.
Right chimney of house	135	48	..	1¼ miles.
Near peak of Jamaica Point Wharf house	147	14	..	1⅛ miles.
Chimney of house	148	54	..	2⅜ miles.
Chimney of house	164	24	..	3¼ miles.
Tangent of point	172	50	..	¾ mile.
Right end of roof of long barn	235	04	..	⅝ mile.
Black walnut tree	282	36	..	200 yards.
Chimney of house	344	59	..	¼ mile.

CHIEF.

General locality.—Southeast shore of Choptank River on a narrow neck of land between Choptank River and Indian Creek, about 1 mile east of Oystershell Point. (See Chart No. 35.)

Immediate locality.—Observed station is on a grass strip between Choptank River and Indian Creek about 2 feet above high water, 15 yards south of river shore, 11 yards north of creek shore, 20 yards southeast of river shore, and 25 yards southwest of river shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Shell" (S 85° 11′ W)	0	00	00	1 mile.
Smoke pipe on wharf house	0	42	..	¾ mile.
Nail in blaze in locust tree (3 inches diameter)	13	37	10	11.76 meters.
Right corner of railing on house	78	32	..	2 miles.
Near peak of house	91	47	..	3⅝ miles.
Right corner of square chimney	114	47	..	½ mile.
Near corner of barn	144	05	..	¼ mile.
Nail in blaze in cedar tree (6 inches diameter)	167	07	10	22.07 meters.
Stack of cannery	208	56	20	⅜ mile.
Peak of house between two chimneys	253	32	..	¼ mile.
Nail in blaze in cedar tree (8 inches diameter)	348	04	50	13.81 meters.
Near peak of cottage	358	38	..	1 mile.

SHELL.

General locality.—Southeastern shore of Choptank River on Oyster Shell Point about ¾ mile south of Goose Point and 1¼ miles east-northeast of Chancellors Point. (See Chart No. 35.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 100 yards north of rail fence, 55 yards southwest of shore, 75 yards south of shore, 400 yards west of a wharf, 250 yards west by north of a small house near the shore, 50 yards west by north of corner of fence. Cement monument marking reference station is 2.27 meters N 83° 07′ W of observed station.

Marks.—Observed station is nail in cedar stub flush with surface of ground. Reference station is center point of triangle on standard cement monument projecting 5 inches above the surface of the ground.

References.—	°	′	″		
"Whitehall" (S 41° 55′ W)	0	00	00	.....	⅝ mile.
Lone tree	29	12	..	.....	225 yards.
"Cambridge Standpipe"	35	39	00	.....	4½ miles.
Right corner of square cupola	39	24	..	.....	1½ miles.
REFERENCE STATION	54	57	50	.....	2.27 meters.
Chimney on left end of house	83	10	..	.....	1⅜ miles.
Near peak of large house	150	53	..	.....	1⅞ miles.
Near peak of Jamaica Point Wharf house	158	17	..	.....	1⅞ miles.
Right peak of building	177	29	..	.....	2⅝ miles.
Chimney on house	205	20	..	.....	1¾ miles.
Smoke pipe on wharf house	221	13	..	.....	¼ mile.
Near peak of shed	265	40	..	.....	150 yards.
Near peak of house	280	00	..	....	300 yards.

WHITEHALL.

General locality.—Southeastern shore of Choptank River about ⅝ mile southwest of Oystershell Point, and 1⅛ miles east of Chancellor Point. (See Chart No. 35.)

Immediate locality.—Observed station is on a marsh point among water bushes about 12 yards south-southeast of shore, 13 yards south-southwest of shore, and 15 yards east-southeast of shore.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Ferry" (S 55° 08′ W)	0	00	00	.....	1¾ miles.
Chimney of house	10	50	..	.....	2¾ miles.
"Cambridge Stand Pipe"	27	22	40	.....	4 miles.
Right of square cupola	40	16	..	....	1⅛ miles.
Left chimney on long house	99	58	..	.....	1¼ miles.
Chimney outside near end of house	137	20	..	.....	1⅞ miles.
Near peak of large building	144	31	..	.....	2⅜ miles.
Front peak of Jamaica Point Wharf house	150	00	..	.....	2½ miles.

FERRY.

General locality.—Southern shore of Choptank River near east side of entrance to Hurst Creek about 2½ miles east of Cambridge. (See Chart No. 35.)

Immediate locality.—Observed station is on a sand beach about on level with high water, 92 yards east-northeast of Hurst Creek, 1 yard southeast of shore, and 6 to 10 yards northwest to north of several low cedar trees. Cement monument marking reference station is 16.74 meters S 50° 12′ E of observed station.

Marks.—Observed station is nail in pine stub in center of 2-inch tile pipe with top of pipe 6 inches below surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument.

References.—	°	′	″		
"E. Cambridge Tall Stack" (N 81° 21′ W)	0	00	00	.....	2½ miles.
"Hambrooks Bar Beacon"	24	05	10	.....	3½ miles.
Near peak of large house with cupola	79	37	..	.....	1 mile.
Near peak of barn cupola	99	22	..	.....	2 miles.
Near peak of Jamaica Point Wharf house	116	23	..	.....	3⅝ miles.
Nail in blaze in cedar tree (11 inches diameter)	193	07	00	...	6.82 meters.
REFERENCE STATION	211	09	00		16.74 meters.
Nail in blaze in cedar tree (8 inches diameter)	242	42	50		8.32 meters.
Nail in blaze in cedar tree (16 inches diameter)	279	49	00		9.76 meters.
Chimney of house	338	10	..	....	1¾ miles.

SHOAL.

General locality.—Southern shore of Choptank River near entrance to a small creek about 1 mile east-southeast of Cambridge and 1⅝ miles west-southwest of Chancellors Point. (See Chart No. 35.)

Immediate locality.—Observed station is in woods on a point of land about 10 feet above high water, 50 yards east of edge of bank, 6 yards southwest of wire fence at edge of high land, 7 yards south of wire fence, 11 yards west of wire fence, 13 yards west-southwest of large double oak tree, and 90 yards east of a marsh point at a creek. Cement monument marking reference station is 6.08 meters S 23° 44′ W of observed station.

Marks.—Observed station is center of tile pipe with top 6 inches below surface of ground. Reference station is center point of triangle on standard cement monument projecting 5 inches above surface of ground.

References.—

	°	′	″	
"Cambridge" (N 46° 31′ W)	0	00	00	1¾ miles.
Large chimney of house	25	55	..	3⅝ miles.
Spindle on barn cupola	61	31	..	1¾ miles.
Left chimney of house	84	09	..	2 miles.
Near peak of barn with cupola	106	11	..	1¾ miles.
Nail in blaze in large double oak tree	120	03	20	11.31 meters.
Nail in blaze in black walnut tree (8 inches diameter)	205	53	40	10.96 meters.
Nail in blaze in cedar tree (6 inches diameter)	224	26	30	8.05 meters.
REFERENCE STATION	250	15	40	6.08 meters.
Nail in blaze in black walnut tree (17 inches diameter)	304	19	20	3.19 meters.
Flagstaff on boathouse	358	43	..	2½ miles.

E. CAMBRIDGE TALL STACK.

General locality.—Southern shore of Choptank River in the town of Cambridge on the east side of Cambridge Creek. (See Chart No. 35.)

Immediate locality.—Observed station is tall square brick smokestack at plant of Cambridge Manufacturing Co.

Marks.—Observed station is center of stack.

References.—None necessary.

E. CAMBRIDGE SPIRE.

General locality.—Southern shore of Choptank River in town of Cambridge on the east side of Cambridge Creek and the south side of Maryland Avenue. (See Chart No. 35.)

NOTE.—This triangulation landmark was torn down before this publication was prepared and therefore it is not described, although its name and location are shown on Chart No. 35.

CAMBRIDGE STAND PIPE.

General locality.—Southwestern side of Choptank River in the town of Cambridge. (See Chart No. 35.)

Immediate locality.—Observed station is on standpipe on the north side of High Street near Pine Street.

Marks.—Observed station is center of cylindrical water standpipe with ornamental railing on top.

References.—None necessary.

CAMBRIDGE.

General locality.—Southern shore of Choptank River on a point about ¾ mile southeast of Hambrooks Bar Beacon and ½ mile northwest of Cambridge steamer wharf. (See Chart No. 35.)

Immediate locality.—Observed station is on a marsh point about 1 foot above above high water, 30 yards west of shore, 35 yards south of shore at cut, 40 yards southwest of shore, and 3 yards southwest of barbed-wire fence running northwest and southeast.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Command" (N 50° 20′ W)	0	00	00	⅞ mile.
"Hambrooks Bar Beacon"	36	12	00	¾ mile.
Southwest peak of Kirby Wharf house	58	27	..	1¾ miles.
Chimney outside of south end of house	107	00	..	1⅞ miles.
Near one of four chimneys on large square house	133	26	..	2¼ miles.
Right chimney of large house on Chancellors Point	146	27	..	2¾ miles.
Weather vane on hotel	235	36	..	½ mile.
Chimney of house	328	03	..	¾ mile.
Flagpole	354	09	..	¾ mile.
Flagpole on boathouse	359	24	..	¾ mile.

HAMBROOKS BAR BEACON.

General locality.—Southern side of Choptank River about ¼ mile offshore from point of land known as Hambrooks Bar, about 2 miles southeast of Howells Point, and 1½ miles northwest of Cambridge. (See Chart No. 35.)

Immediate locality.—Observed station is on a cylindrical foundation known as Hambrooks Bar Beacon.

Marks.—Observed station is center point of lantern on Hambrooks Bar Beacon.

References.—None necessary.

COMMAND.

General locality.—Southern shore of Choptank River about ½ mile west-southwest of Hambrooks Bar Beacon and about 1¼ miles northwest of Cambridge Wharf. (See Chart 35.)

Immediate locality.—Observed station is on a marsh point inside of a fence line about 2 feet above high water, 18 yards southeast of shore, 16 yards south of shore, 25 yards southwest of shore, and 150 yards northwest of a boathouse.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Choptank River Light" (N 49° 40′ W)	0	00	00	6¾ miles.
Nail in blaze in fence post	5	33	30	10.85 meters.
Near peak of large building	16	45	..	2¼ miles.
Nail in blaze in fence post	65	08	20	11.01 meters.
Left chimney of house with three dormer windows	68	28	..	1⅞ miles.
Near peak of Kirby Wharf house	86	40	..	1½ miles.
"Hambrooks Bar Beacon"	121	17	50	½ mile.
Near peak of large house	153	10	..	3 miles.
Flagstaff on boathouse	183	20	..	150 yards.
"Dicks Water Tank"	266	29	30	⅛ mile.
Nail in blaze in fence post	328	25	40	17.23 meters.
Left chimney of old house	331	53	..	2¾ miles.
"Large Water Tank"	347	03	10	5 miles.

DICKS WATER TANK.

General locality.—Southern shore of Choptank River near Hambrooks Bar about 5/8 mile southwest of Hambrooks Bar Beacon, and 1/2 mile west of extreme end of Hambrooks Bar. (See Chart No. 35.)

Immediate locality.—Observed station is on water tank.

Marks.—Observed station is spindle on top of water tank.

References.—None necessary.

HOWARD.

General locality.—Southern shore of Choptank River, 2 miles southeast of Horn Point, and about 1/4 mile northwest of entrance to Jenkins Creek. (See Chart No. 35.)

Immediate locality.—Observed station is on cultivated land on bluff about 12 feet above high water, 25 yards southwest of edge of bluff, 30 yards south of edge of bluff, 35 yards west of edge of bluff, 45 yards west-northwest of corner of fence dividing field from marsh, and 65 yards northeast of the south one of two small poplar trees in field.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Choptank River Light" (N 36° 14′ W)	0	00	00	.....	6 miles.
Near peak of barn	30	20	..	.....	3 1/4 miles.
"Black Beacon"	32	16	50	.....	2 5/8 miles.
Red Beacon	34	11	30	.....	2 3/8 miles.
Near peak of low house in trees	79	52	..	.....	3 1/4 miles.
Near peak of Kirby Wharf house	90	53	..	.....	3 miles.
"Dicks Water Tank"	109	57	40	.....	1 1/2 miles.
Left chimney of house	115	00	..	.....	1 mile.
Nail in blaze in locust tree (8 inches diameter)	125	51	50	.....	37.49 meters.
Nail in blaze in locust tree	144	34	50	.....	45.66 meters.
Nail in blaze in locust tree	188	22	40	.....	63.83 meters.
Near peak of barn	245	03	..	.....	1/4 mile.
Right peak of house	317	02	..	.....	1/4 mile.
Right peak of old house	351	02	..	.....	1 1/4 miles.

TOOT.

General locality.—Southern shore of Choptank River on Horn Point about 1 5/8 miles west of Howells Point, and at eastern side of entrance to Lecomptes Bay. (See Chart No. 35.)

Immediate locality.—Observed station is in woods about 7 feet above high water, 15 yards south of shore, 13 yards southwest of shore, and 20 yards west of shore, and near but not on highest point of ground. Cement monument marking reference station is 12.38 meters S 33° 34′ W of observed station.

Marks.—Observed station is nail in center of stub in 2-inch tile pipe projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument projecting 4 inches above the surface of the ground.

References.—	°	′	″		
"Choptank River Light" (N 34° 15′ W)	0	00	00	.....	4 1/8 miles.
East peak of large barn	57	02	..	.....	2 1/4 miles.
Large chimney of house	68	24	..	.....	2 1/2 miles.
Red Beacon	71	28	00	.....	2 miles.
"Black Beacon"	73	17	30	.....	1 5/8 miles.
Near peak of house	88	38	..	.....	2 miles.
Nail in blaze in elm tree	147	42	40	.....	5.48 meters.
Nail in blaze in oak tree (24 inches diameter)	200	47	10	.....	4.70 meters.
Nail in blaze in oak tree (20 inches diameter)	246	58	10	.....	16.89 meters.

References—Continued.	°	′	″		
REFERENCE STATION	247	49	00	.....	12.38 meters.
Chimney of house	293	21	..	.....	1¼ miles.
Chimney outside of house	331	19	..	.....	1⅝ miles.
"Large Water Tank"	344	41	10	.....	2⅛ miles.
Near corner of boathouse	351	52	..	.....	2⅛ miles.

LE COMPTE.

General locality.—Southern shore of Choptank River on southwestern side of Lecomptes Bay about 1¼ miles west-southwest of Horn Point, ⅝ mile northwest of Travers Wharf, and ¼ mile southwest of mouth of Lecomptes Creek. (See Chart No. 35.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 18 yards west of point of shore, 14 yards south-southeast of shore, 5 yards east-southeast of turn in shore at beach, 7 yards northeast of a pool, 10 yards northwest of cut in shore, and 115 yards southeast of near one of two large cedar trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Grubin" (W 56° 00′ E)	0	00	00	.....	3⅛ miles.
"Black Beacon"	0	12	10	.....	2⅞ miles.
Barn cupola	9	10	..	.....	
North peak of wharf house	69	02	..	.....	½ mile.
North peak of house	106	43	..	.....	⅜ mile.
Left one of two large cedar trees	248	12	..	.....	117 yards.
Spindle on barn cupola	280	48	..	.....	½ mile.
Chimney outside of house	303	44	..	.....	⅝ mile.
Red Beacon	358	07	20	.....	3⅛ miles.

LARGE WATER TANK.

General locality.—Southwestern shore of Choptank River at Castle Haven about 2⅛ miles south of Choptank River Light. (See Chart No. 35.)

Immediate locality.—Observed station is on water tank on high steel tower near barns at Castle Haven.

Marks.—Observed station is center point of windmill on water tank.

References.—None necessary.

CASTLE.

General locality.—Southern shore of Choptank River on Castle Haven Point on north side of Castle Haven Creek about 2 miles south-southwest of Choptank River Light. (See Chart No. 35.)

Immediate locality.—Observed station is on a narrow neck of land, about 25 yards south-southwest of shore of Choptank River, 20 yards north of shore of cove, 22 yards west of bathhouse, and 100 yards east-northeast of three poplar trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Choptank River Light" (N 25° 41′ W)	0	00	00	.....	2 miles.
Right corner of house near Bachelor Point	19	27	..	.....	3 miles.
Left corner of bathhouse	95	31	20	.....	21.42 meters.
Near corner of bathhouse	109	32	20	.....	19.83 meters.
Near peak of house	122	56	..	.....	3 miles.
Right peak of boathouse at Castle Haven Wharf	215	04	..	.....	⅛ mile.
Right corner of chimney of brick house	254	18	..	.....	⅛ mile.

COOK POINT WINDMILL.

General locality.—Eastern shore of Chesapeake Bay on Cook Point between Tripps Bay and Cook Point Cove about 1¼ miles southeast of end of point. (See Charts Nos. 36 and 37.)

Immediate locality.—Observed station is on windmill over smaller and west one of two water tanks west of a barn on Cook Point farm.

Marks.—Observed station is center of windmill over smaller tank.

References.—None necessary.

BRANNOCK.

General locality.—Eastern shore of Chesapeake Bay between Choptank River and Little Choptank River on the southern shore of Brannock Bay about 7 miles southeast of Sharps Island Light. (See Charts Nos. 36 and 37.)

Immediate locality.—Observed station is on high land about 8 feet above high water, 11 yards south of shore, 7 yards south of edge of bluff, 8 yards north of rail fence on far side of county road, 50 yards east of bend where road leaves shore and runs toward farmhouse and 150 yards northeast of a farmhouse.

Marks.—Observed station is center point of triangle on standard cement monument with top projecting about 4 inches above surface of ground. Subsurface mark is 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
Sharps Island Light (N 54° 34′ W)	0	00	00	.....	7 miles.
Near peak of house on Cook Point	38	18	..	.....	3½ miles.
"Cook Point Windmill"	45	33	30	.....	2½ miles.
Right chimney of house in trees	83	15	..	.....	2 miles.
Between two chimneys on large part of house	104	31	..	.....	1 mile.
Outside chimney on near end of house	108	06	..	.....	1 mile.
Center one of three chimneys of house	142	03	..	.....	1 mile.
Tangent of right end of barn roof	150	49	..	.....	1 mile.
Center one of three chimneys on house	163	16	..	.....	¾ mile.
Right peak of house	203	34	..	.....	2 miles.
Left chimney of 1½-story house across creek	210	47	..	.....	2 miles.
Near peak of barn	285	11	..	.....	¾ mile.
Tangent of Mills Point	343	43	..	.....	¾ mile.
Tangent of left end of Sharps Island Hotel	352	12	..	.....	5½ miles.

ROBINS.

General locality.—Eastern shore of Chesapeake Bay on Hills Point at northeast side of entrance to Little Choptank River about 6 miles south-southeast of Sharps Island Light. (See Charts Nos. 36 and 37.)

Immediate locality.—Observed station is in cultivated field about 8 feet above high water, 40 yards northeast by north of edge of bluff, 45 yards east by north of point of bluff, 65 yards south by east of edge of bluff in range with Sharps Island Light, and 140 yards north by west of wire fence at bluff.

Marks.—Observed station is center point of triangle on standard cement monument projecting 4 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″		
"Sharps Island Light" (N 34° 11′ W)	0	00	00	.....	6 miles.
Nail in blaze in cedar tree (8 inches diameter)	5	43	20	.....	37.11 meters.
Left chimney of house	76	25	..	.....	⅛ mile.
Near peak of barn	87	14	..	.....	⅛ mile.
Tallest chimney of house	91	22	..	.....	¾ mile.
Near peak of barn	222	52	..	.....	5¼ miles.
Tangent of end of woods on Taylor Island	229	14	..	.....	5¼ miles.

References—Continued.	°	′	″		
Chimney of house on James Point	247	10	..	.....	3⅛ miles.
Tangent of James Point	248	..	..	.....	3 miles.
Nail in blaze in cedar tree (8 inches diameter)	336	32	30	.....	28.22 meters.
Nail in blaze in cedar tree (8 inches diameter)	353	18	50	.....	30.90 meters.
Tangent of right side of hotel on Sharps Island	356	39	..	.....	4½ miles.

JAMES (LITTLE CHOPTANK RIVER).

General locality.—Eastern side of Chesapeake Bay on northeast end of James Island at south side of entrance to Little Choptank River. (See Charts Nos. 36 and 37.)

Immediate locality.—Observed station is on marsh about 1 foot above high water, 8 yards west of shore, 11 yards northwest of shore, 85 yards south of shore, and 75 yards east of pine woods. Cement monument marking reference station is 19.48 meters S 84° 17′ W of observed station.

Marks.—Observed station is center of 2-inch tile pipe projecting 2 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of surface pipe. Reference station is center point of triangle on standard cement monument.

References.—	°	′	″		
"Robins" (N 23° 14′ E)	0	00	00	.....	2¾ miles.
Near peak of house	12	37	..	.....	3½ miles.
Chimney on near end of house	48	42	..	.....	3¼ miles.
Near peak of barn	89	01	..	.....	4¼ miles.
Near chimney of house on Hooper Point	100	36	..	.....	3 miles.
Left peak of long barn	107	05	..	.....	3½ miles.
Near peak of barn	146	09	..	.....	2½ miles.
REFERENCE STATION	241	03	00	.....	19.48 meters.
"Sharps Island Light"	320	02	40	.....	7¾ miles.
Right edge of old hotel on Sharps Island	321	43	..	.....	6¼ miles.
Left tangent of woods on Cook Point	357	29	..	.....	7 miles.

CORNER (Choptank River).

General locality.—Southern shore of Choptank River on east side of entrance to Chapel Creek about 2 miles southeast of Todd Point, and 3 miles south-southwest of Choptank River Light. (See Chart No. 37.)

Immediate locality.—Observed station is on grassy land about 3 feet above high water, 30 yards east of shore, 30 yards south of shore, 35 yards southeast of extreme end of point, and west of small clump of small pine trees.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—	°	′	″		
"Dot" (N 58° 43′ W)	0	00	00	.....	2⅛ miles.
Nail in blaze in holly tree (14 inches diameter)	35	13	40	.....	13.81 meters.
"Choptank River Light"	75	55	20	.....	3 miles.
Nail in blaze in pine tree (4 inches diameter)	105	03	00	.....	3.57 meters.
Right corner of new house	108	42	..	.....	½ mile.
Nail in blaze in pine tree (5 inches diameter)	187	20	10	.....	8.21 meters.
Near peak of 2½-story house	308	25	..	.....	⅞ mile.
Chimney outside right end of house	340	33	..	.....	2 miles.
Chimney outside near end of house	356	46	..	.....	2¼ miles.

DOT.

General locality.—Southern shore of Choptank River on Todd Point about 3 miles east of Cook Point and 3½ miles southwest of Choptank River Light. (See Chart No. 37.)

Immediate locality.—Observed station is about 4 feet above high water, 55 yards west-southwest of shore, 30 yards south-southwest of edge of bank, 40 yards south by east of point where bank meets marsh, 70 yards south by west of extreme end of point, and 200 yards northeast by north of a house.

Marks.—Observed station is center point of triangle on standard cement monument projecting 5 inches above surface of ground. Subsurface mark is center of 2-inch tile pipe buried with top 2 inches below base of monument.

References.—

	°	′	″	
"Choptank River Light" (N 56° 26′ E)	0	00	00	3¼ miles.
"Large Water Tank"	37	36	00	3½ miles.
Near peak of house	42	45	..	2¾ miles.
Near peak of building	72	49	..	2¼ miles.
Chimney outside right end of house	*102	18	..	1⅜ miles.
Chimney outside near end of house	175	25	..	200 yards.
Left chimney of house on Cook Point	212	24	..	2¾ miles.
"Sharps Island Light"	218	32	40	7½ miles.
Church spire	250	04	40	7¼ miles.
Left peak of house	277	10	..	7¼ miles.
Near peak of barn	290	09	..	7½ miles.
Cupola on house	333	02	..	3⅝ miles.

BOUNDARIES OF OYSTER BARS.

EXPLANATION.

The law of the United States authorizing the cooperation of the Department of Commerce and Labor in the survey of natural oyster bars of Maryland provides for the designation and employment by the Department of Commerce and Labor of such officers, experts, and other technically qualified persons "as may be necessary to cooperate with the Maryland State Board of Shell Fish Commissioners in making a survey of and locating the natural oyster beds, bars, and rocks in the waters within the State of Maryland." The oyster laws of Maryland provide that the Maryland Shell Fish Commissioners, with the aid of such persons as may be designated by the Government, shall proceed "to have laid out, surveyed, and designated on the said charts the natural beds and bars, and shall cause to be marked and defined as accurately as practicable the limits and boundaries of the natural beds, bars, and rocks as established by said survey, and they shall take true and accurate notes of said survey in writing, and make an accurate report of said survey, setting forth such a description of landmarks as may be necessary to enable the said board, or their successors, to find and ascertain the boundary lines of the said natural oyster beds, bars, and rocks, as shown by a delineation on the maps and charts." The oyster laws of Maryland also provide in another section that there shall "be made a true and accurate survey of the natural oyster beds, bars, and rocks * * * with reference to fixed and permanent objects on the shore, giving courses and distances, to be fully described and set out in a written report of said survey."

Under the provisions of the laws quoted above the State of Maryland, in cooperation with the Department of Commerce and Labor, must define the boundaries of the natural oyster bars "as accurately as practicable" and also "with reference to fixed and permanent objects on the shore, giving courses and distances." The requirement of "as accurately as practicable" is easily fulfilled by definition of the location of the corners of the oyster bars by latitude and longitude. In fact, this method is probably the most satisfactory and accurate one that could be used for all purposes of legal definition or for relocation of the oyster-bar boundaries by competent engineers. Therefore the additional requirement of "giving courses and distances" is superfluous and is only fulfilled in the published definitions on account of the specific provisions of the law making it compulsory. This part of the description of boundaries has involved an immense amount of extra computations in order to prevent technical discrepancies between the latitude and longitude of a corner of an oyster bar and its distance and bearing from objects on shore of known latitude and longitude without adding anything to the accuracy and very little to the convenience of practical use of the descriptions of the oyster-bar boundaries.

As provided by law the boundaries of the oyster bars are all straight lines, but in the work already completed they have inclosed areas of all shapes from triangles to complicated 14-sided figures, and of all sizes from 4 acres to 7,548 acres. The sides have varied in length from 93 to 7,529 yards, and in some cases the corners of the boundaries have been practically at the triangulation stations from which they are located, while in other instances they were over 13,600 yards from the landmarks most available for the purpose of fixing their position.

The varied characteristics of the legal boundaries of the oyster bars indicated by the above statement, together with the complicated requirements of the law under which the survey has been made, and the magnitude of the work with the consequent need of fixed and uniform methods, have made the problem of describing the boundaries one of considerable difficulty and great importance.

The boundaries of the oyster bars of Maryland, as established by the Shell Fish Commission and delineated on the Coast and Geodetic Survey charts and projections and on the leasing charts of the Commission, are technically defined and described by a method somewhat different from that used in other oyster surveys. But it is believed that the forms finally adopted will fulfill all needs of the survey for both the present and the future.

METHOD OF DESCRIBING BOUNDARIES.

The descriptions have been arranged in tabular form, thus avoiding many hundred repetitions of the same words by making one explanation of the tables sufficient for all oyster bars in each county.

Title.—At the top of each tabular form is given the legal name of the oyster bar to be described, and the one by which it is known and designated in the published oyster records and on the oyster charts. The adopted name of the oyster bar is the one used locally, as nearly as could be ascertained by the hydrographic engineer of the Commission; and when there was no local name in common use a name was selected from one of the prominent features of the vicinity that would naturally suggest the section of the waters where the oyster bar was located.

Underneath the name, in parentheses, is given the general locality of the oyster bar and the serial number of the "Maryland Oyster Chart" on which its legal boundaries are shown.[1]

First column.—This column, under the heading of "Corner of bar," gives the number corresponding to the corner of the boundary as shown on the charts and to the number on the buoy marking the actual corner of the bar. The numbers of the corners have been assigned by naming the southernmost point No. 1, thence proceeding in a clockwise direction around the bar. Where a corner of one oyster bar is identical with the corner of the boundaries of one or more other oyster bars, only the number of the corner of the oyster bar being described in the table is given in this column.

Second and third columns.—These two columns, under the headings of "Latitude" and "Longitude," give the geographic positions of the corners. These positions have been adopted by the Commission as the primary technical definition of the location of

[1] These charts can be obtained by application to the Superintendent of the Coast and Geodetic Survey, at Washington, D.C.

the corners, and should be considered as final in case of a dispute arising from discrepancies caused by other means of location. The latitudes and longitudes given in these columns are based on the United States standard datum of the Coast and Geodetic Survey, and the points thus defined can be relocated from distant triangulation stations of the survey, even though all the landmarks and buoys originally used for their location have been destroyed by natural or other causes.

Fourth and fifth columns.—These two columns, under the general heading of "True bearing" [1] and the specific headings "Forward" and "Back," give bearings measured from a true north-and-south line. The three "Forward" bearings are from the corner of the boundary designated in the first column to the triangulation stations named on the corresponding lines in the last column, and the three "Back" bearings are from these same stations in the last column to the corresponding corner of boundary in the first column. The difference in minutes of arc between the forward and back bearings shown in some cases is actual and not accidental, and is due to the fact that the computations took into account the spheroidal shape of the earth.

Sixth column.—This column, under the heading of "Distance," gives the three computed distances in yards from the corner of the bar noted in the first column to the three triangulation stations named on the corresponding lines in the last column, and vice versa.

Seventh column.—This column, under the heading of "U. S. C. & G. S. triangulation station," [2] gives the names of the landmarks from which were computed the corresponding "Latitude," "Longitude," "True bearing" and "Distance" of the "Corner of bar" designated in the first column. A full description of the location and markings of these triangulation stations is given in another part of this publication under the heading of "Descriptions of triangulation stations."

SURVEYING METHODS FOR RELOCATION OF BOUNDARIES.

There are a number of methods that can be used in the relocation of the actual boundaries of the natural oyster bars as technically described in this publication and delineated on the published charts of the Coast and Geodetic Survey and the leasing charts of the Shell Fish Commission.

The following brief descriptions of five of these more or less different methods assume a certain amount of experience and knowledge on the part of the engineer in the particular kind of surveying under consideration, and are only intended as reminders of ways and means that can be used.

There are two problems that are likely to present themselves to those interested in the boundaries of natural oyster bars: one, to determine whether the buoys marking the corners have been dragged or otherwise moved from their correct positions, and the other, to relocate or reestablish a buoy at the point from which it was removed. The different ways of solving these two problems partly depend upon the instruments possessed by the engineer and his assistants and partly on his training and experience.

[1] The mean magnetic variation for Talbot County was 6° 10′ west of north in 1911 and increasing at the rate of 5′ yearly.

[2] Geographic positions of these triangulation stations can be obtained by application to the Superintendent of the Coast and Geodetic Survey, Washington, D. C.

(1) *Triangulation.*—This method is the one that will give the greatest accuracy, but on account of its requiring special data and instruments, and being an operation rarely used by engineers not engaged in geodetic surveying, it is recommended only for cases in dispute that can not be settled satisfactorily by some other method. An explanation of this class of work would be too long for a report of this sort, and those not familiar with this method are referred to the publications on the subject by the Coast and Geodetic Survey.

(2) *Hydrographic.*—This method is the most simple and satisfactory one that can be adopted if the surveyor can obtain the use of the necessary instruments and assistants. It is the one best suited for the work of the engineers of the Commission in relocating corners of boundaries, as it gives results of the accuracy ordinarily required and is rapid in execution. Besides, it has the advantage of being available whenever three triangulation stations of suitable relative positions are visible from the offshore points needing relocation.

Most navigators and others familiar with the use of a sextant are well acquainted with the graphic three-point method of fixing a position on water, and only a brief description of the operation will be stated.

In the case where there is only one engineer having a single sextant, the three-point method can be used if the two angles determining the position of a buoy are first derived from the "Forward" bearings given in the tabular forms describing the boundaries of the oyster bars. For example, take "Poplar Island" oyster bar, which is the first one described in this publication, and assume that "Corner No. 3," is to be examined as to its position. The angle between the two landmarks "Valliant" and "Haddaway," as determined from right to left from the forward bearings from this corner, is 58° 17′, and the angle between "Haddaway" and "Bloody Point Bar Light" is 120° 05′. Having these two angles, the engineer proceeds to the buoy of doubtful location and measures the actual sextant angles between the landmarks for which the calculations were made. If the measured and calculated angles do not agree, the buoy is not in its correct position and the boundary corner must be relocated. This is accomplished by moving the boat about until a point is reached where the angles do agree, and this point being the desired location, the buoy can be placed in its correct position.

If the engineer can obtain the use of both a sextant and a three-arm protractor (position finder), the availability of the hydrographic method is increased, as the use of the protractor is essential in case of the washing away or destruction of one or more of the landmarks originally used in describing the boundaries. Under these circumstances any three landmarks of suitable relative position that are visible from the point to be located can be utilized. For example, the engineer can proceed to the buoy of doubtful position and measure the two adjacent sextant angles between the three landmarks selected. These two angles are set off on the three-arm protractor and the actual position of the buoy plotted on the chart by shifting the protractor about until the edge of each of the three arms passes through the center of the symbols on the chart marking the position of the three landmarks selected. The center of the hub of the protractor will indicate on the chart the actual position of the buoy, and if the point thus obtained does not coincide with the true position of the corner of the boundary as given on the chart, the surveyor can proceed to locate the buoy correctly by reversing the operation.

This is done by placing the center point of the hub of the protractor over the corner of the boundary in question and measuring on the chart the two adjacent protractor angles between the three selected landmarks. One of the angles thus obtained is set on the sextant and the boat moved about until the two landmarks are shown by the sextant to subtend the same angle obtained from the protractor. The second angle is then placed on the sextant and the same operation gone through, and so on, first using one angle on the sextant, then the other, until a point is reached where both observed sextant angles are practically identical with the protractor angles. The point thus located is the desired one and the buoy can be placed to mark the true position of the corner of the boundary in question.

If the engineer possesses two sextants and a protractor, this problem is far easier of solution, as the two angles can be set off on separate sextants and the observer can quickly find the desired point where they agree with the protractor angles by using one sextant after the other without the need of resetting either.

If there are two observers, two sextants, and a protractor, it can be seen that the best conditions for both rapid and accurate hydrographic location of a point is attained. In fact, this is the method by which the buoys at the corners of the boundaries were originally placed by the hydrographic engineer to the Commission.

(3) *Magnetic bearings from offshore.*—This method of fixing a position on water is a simple and well-known one in navigation. It is available to anyone having a boat compass and will be of special use to the State Fishery Force in investigating cases where buoys are supposed to have been moved for illegal purposes.

In the case where a buoy is supposed to have been moved from its true position the observer can take compass bearings to the three landmarks given in the last column of the tables opposite the boundary corner in question. These bearings are then corrected for the local declination,[1] and if the results agree with the published bearings the buoy is correctly located.

In the case where the buoy is not in its correct position, or has disappeared altogether, the desired point can be determined by maneuvering the vessel until the corrected bearings agree with the ones in the tabular descriptions, when the buoy can be anchored in its proper location.

In the case where the landmarks for which the bearings are published have been destroyed or washed away, any landmarks whose positions are indicated on the charts can be used. This can be done by getting their bearings directly from the chart by parallel rulers or a protractor and then applying these new bearings in the same manner as the ones published in the tables.

(4) *Magnetic bearings from shore.*—This method will be of special value to engineers having an ordinary surveyor's compass. The compass can be set over the point marking a "triangulation station" on shore, the name of which is given in the last column opposite the "corner" in question. The instrument is then set at the corresponding "back" bearing (corrected for local magnetic declination) given in the fifth column of the tables opposite the "corner" in question. The direction thus determined will give one range on which the desired point must be located. The compass can then be moved to a

[1] The mean magnetic variation for Talbot County is 6° 10′ west of north in 1911 and increasing at the rate of 5′ yearly.

second triangulation station and another range located in a similar manner. The intersection of these two range lines will give the desired point; but in general it should be checked by an additional range line determined from a third station.

(5) *Horizontal angles measured at landmarks.*—This process is a modification of the triangulation method, and will be useful to engineers who have a transit and desire considerable accuracy.

The instrument is placed over a "triangulation station," the name of which appears in the last column of the tabular description opposite the "corner" in question. The telescope is then pointed to the landmark indicated in the "Descriptions of landmarks" as having a direction of 0° 00′ 00″ from the triangulation station being occupied by the transit. The tabular description of the boundaries is next examined and the "back" bearing of the questionable boundary "corner" from the landmark being occupied is taken out. The angle calculated from this "back" bearing and the bearing given in parentheses alongside the zero landmark in the "Descriptions of landmarks" is then set off on the transit and a range line established on which the desired point must be located. A similar process is then carried on at a second station, and so on until the position of the buoy is satisfactorily fixed.

BOUNDARIES OF NATURAL OYSTER BARS.

POPLAR ISLAND.

(Chesapeake Bay—Off Poplar Island—Charts Nos. 31 and 33.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 45 43.52	76 23 47.66	S 62 30 E	N 62 29 W	1,902	Poplar South.
			N 47 03 E	S 47 03 W	1,510	Valliant.
			N 2 53 E	S 2 53 W	8,697	Bloody Point Bar Light.
2	38 45 53.47	76 24 19.45	S 64 20 E	N 64 19 W	2,801	Poplar South.
			N 70 22 E	S 70 23 W	2,065	Valliant.
			N 8 41 E	S 8 42 W	8,448	Bloody Point Bar Light.
3	38 47 45.44	76 23 17.97	S 5 57 E	N 5 57 W	3,099	Valliant.
			S 64 14 E	N 64 12 W	5,587	Haddaway.
			N 4 19 W	S 4 19 E	4,589	Bloody Point Bar Light.
4	38 47 32.65	76 22 13.67	S 26 26 E	N 26 26 W	5,897	Great.
			S 59 04 E	N 59 04 W	3,888	Haddaway.
			N 22 11 W	S 22 12 E	5,408	Bloody Point Bar Light.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

LOWS POINT.

(*Eastern Bay—Charts Nos. 31 and 33.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 47 09.33	76 21 17.76	S 14 20 E	N 14 20 W	4,639	Great.
			S 56 52 E	N 56 52 W	2,219	Haddaway.
			N 46 41 E	S 46 43 W	7,455	Kemp Tower.
2	38 47 41.86	76 21 16.85	S 38 27 E	N 38 27 W	2,949	Haddaway.
			N 53 15 E	S 53 16 W	6,332	Kemp.
			N 37 00 W	S 37 02 E	5,882	Bloody Point Bar Light.
3	38 48 26.00	76 19 35.90	N 46 20 E	S 46 21 W	3,331	Kemp.
			N 62 38 W	S 62 41 E	6,984	Bloody Point Bar Light.
			S 12 20 W	N 12 20 E	3,888	Haddaway.
4	38 48 07.05	76 18 50.23	N 19 02 W	S 19 03 E	6,979	Straight.
			N 62 32 W	S 62 35 E	8,349	Bloody Point Bar Light.
			S 32 48 W	N 32 47 E	3,759	Haddaway
5	38 47 16.80	76 20 36.40	S 27 37 E	N 27 37 W	1,654	Haddaway.
			N 41 42 E	S 41 44 W	6,497	Kemp Tower.
			N 39 44 W	S 39 46 E	7,802	Bloody Point Bar Light.

MARYS DELIGHT.

(*Eastern Bay—Chart No. 31.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 48 54.24	76 19 00.67	N 47 42 E	S 47 43 W	2,001	Kemp.
			N 72 26 W	S 72 29 E	7,481	Bloody Point Bar Light.
			S 20 20 W	N 20 19 E	5,067	Haddaway.
2	38 49 01.93	76 19 31.72	N 64 42 E	S 64 42 W	2,544	Kemp.
			N 72 26 W	S 72 28 E	6,622	Bloody Point Bar Light.
			S 10 38 W	N 10 38 E	5,097	Haddaway.
3	38 49 32.84	76 19 33.63	N 81 19 W	S 81 22 E	6,335	Bloody Point Bar Light.
			S 8 22 W	N 8 22 E	6,118	Haddaway.
			N 88 54 E	S 88 54 W	2,351	Kemp.
4	38 49 05.28	76 18 55.67	N 54 08 E	S 54 09 W	1,664	Kemp.
			N 75 27 W	S 75 29 E	7,505	Bloody Point Bar Light.
			S 20 17 W	N 20 16 E	5,461	Haddaway.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

WADES POINT.

(*Eastern Bay—Chart No. 31.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 50 03.28	76 18 29.62	S 52 41 E	N 52 41 W	1,242	Kemp Tower.
			N 70 04 E	S 70 06 W	3,836	Rich Neck Water Tank.
			N 46 27 W	S 46 26 E	3,890	Straight.
2	38 50 15.25	76 18 55.22	S 55 11 E	N 55 10 W	2,026	Kemp Tower.
			N 78 06 E	S 78 06 W	4,375	Rich Neck Water Tank.
			N 43 18 W	S 43 19 E	3,127	Straight.
3	38 50 53.78	76 18 28.07	N 71 10 W	S 71 11 E	3,023	Straight.
			S 21 06 E	N 21 05 W	2,632	Kemp Tower.
			S 83 39 E	N 83 38 W	3,587	Rich Neck Water Tank.
4	38 50 23.54	76 17 59.43	N 61 05 W	S 61 07 E	4,129	Straight.
			S 7 37 E	N 7 37 W	1,449	Kemp Tower.
			N 77 29 E	S 77 31 W	2,878	Rich Neck Water Tank.
5	38 50 06.52	76 18 12.44	S 31 49 E	N 31 49 W	1,015	Kemp Tower.
			N 69 13 E	S 69 13 W	3,373	Rich Neck Water Tank.
			N 51 51 W	S 51 52 E	4,161	Straight.

SEDGE MARSH.

(*Eastern Bay—Chart No. 31.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 50 45.88	76 17 35.05	N 73 43 W	S 73 45 E	4,436	Straight.
			S 11 38 W	N 11 38 E	2,235	Kemp Tower.
			S 86 34 E	N 86 33 W	2,166	Rich Neck Water Tank.
2	38 50 50.10	76 17 51.70	N 73 55 W	S 73 57 E	3,975	Straight.
			S 0 18 W	N 0 18 E	2,332	Kemp Tower.
			S 84 02 E	N 84 01 W	2,615	Rich Neck Water Tank.
3	38 51 09.90	76 17 29.38	N 84 23 W	S 84 25 E	4,429	Straight.
			S 11 19 W	N 11 19 E	3,059	Kemp Tower.
			S 65 01 E	N 65 01 W	2,225	Rich Neck Water Tank.
4	38 51 04.26	76 17 20.17	N 82 22 W	S 82 23 E	4,693	Straight.
			S 16 43 W	N 16 42 E	2,934	Kemp Tower.
			S 67 06 E	N 67 04 W	1,927	Rich Neck Water Tank.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

RICH NECK.

(*Eastern Bay—Chart No. 31.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 51 32.93	76 17 03.04	N 71 12 W	S 71 14 E	4,844	Mouth.
			S 18 56 W	N 18 55 E	3,993	Kemp Tower.
			S 37 38 E	N 37 38 W	2,166	Rich Neck Water Tank.
2	38 51 59.14	76 17 42.52	N 79 11 W	S 79 12 E	3,609	Mouth.
			S 3 07 W	N 3 07 E	4,667	Kemp Tower.
			S 67 31 E	N 67 30 W	3,445	Dixon.
	Thence along county boundary as delineated on Chart No. 31 to corner No. 3.					
3	38 52 11.20	76 17 26.07	N 86 08 W	S 86 10 E	3,987	Mouth.
			S 7 44 W	N 7 44 E	5,114	Kemp Tower.
			S 57 54 E	N 57 55 W	3,246	Dixon.
4	38 51 46.33	76 16 48.83	N 77 24 W	S 77 26 E	5,083	Mouth.
			S 21 33 W	N 21 32 E	4,546	Kemp Tower.
			S 23 38 E	N 23 38 W	2,367	Rich Neck Water Tank.

TILGHMANS POINT.

(*Eastern Bay—Charts Nos. 31 and 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 51 30.20	76 16 15.27	S 34 45 W	N 34 44 E	4,484	Kemp Tower.
			S 2 14 E	N 2 14 W	1,625	Rich Neck Water Tank.
			S 68 50 E	N 68 49 W	947	Dixon.
2	38 51 45.94	76 16 26.10	S 28 18 W	N 28 17 E	4,788	Kemp Tower.
			S 9 12 E	N 9 12 W	2,183	Rich Neck Water Tank.
			S 53 15 E	N 53 14 W	1,459	Dixon.
3	38 52 12.40	76 15 41.00	N 14 45 E	S 14 46 W	4,898	Parsons Island Water Tank.
			N 30 40 W	S 30 41 E	3,653	Needle.
			S 15 25 W	N 15 25 E	3,161	Rich Neck Water Tank.
4	38 52 39.22	76 15 25.84	N 11 52 E	S 11 52 W	3,693	Parsons.
			N 45 19 W	S 45 20 E	3,181	Needle.
			S 8 57 W	N 8 57 E	2,702	Dixon.
5	38 52 31.74	76 15 11.38	N 5 35 E	S 5 35 W	3,884	Parsons.
			N 46 43 W	S 46 44 E	3,631	Needle.
			S 18 21 W	N 18 21 E	2,547	Dixon.
6	38 52 11.48	76 15 19.40	N 7 23 E	S 7 23 W	4,588	Parsons.
			N 37 28 W	S 37 29 E	3,997	Needle.
			S 18 48 W	N 18 48 E	1,832	Dixon.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

UPPER HARRIS CREEK.

(*Harris Creek—Charts Nos. 31, 32, and 34.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 46 20.52	76 16 36.33	N 6 14 W	S 6 14 E	622	Mink.
			N 49 45 W	S 49 46 E	478	Grace.
			S 81 33 W	N 81 34 E	478	Koot.
2	38 46 21.22	76 16 56.08	N 28 49 E	S 28 50 W	326	Grace.
			N 59 05 W	S 59 05 E	419	Rabbit.
			S 60 13 W	N 60 13 E	536	Fox.
3	38 46 25.20	76 16 56.02	S 49 22 W	N 49 22 E	615	Fox.
			S 11 43 E	N 11 43 W	233	Koot.
			N 89 03 E	S 89 03 W	773	Bozman.
4	38 46 40.40	76 16 34.90	S 34 34 W	N 34 34 E	900	Koot.
			S 23 21 E	N 23 21 W	545	Bozman.
			N 64 51 E	S 64 52 W	568	Pink.
5	38 46 45.96	76 16 34.38	S 16 26 E	N 16 26 W	716	Bozman.
			N 83 53 E	S 83 53 W	503	Pink.
			N 25 52 E	S 25 52 W	711	Clump.
6	38 47 08.22	76 16 17.43	S 4 19 E	N 4 19 W	699	Pink.
			S 71 55 E	N 71 55 W	414	Miller.
			N 46 04 E	S 46 05 W	423	Otto.
7	38 47 35.76	76 16 22.00	N 83 08 W	S 83 08 E	245	End.
			S 1 51 W	N 1 51 E	692	Lawn.
			S 78 00 E	N 78 00 W	441	Rod.
8	38 47 34.78	76 16 09.12	N 83 54 W	S 83 54 E	586	End.
			S 28 49 W	N 28 49 E	752	Lawn.
			S 8 03 E	N 8 03 W	608	Otto.
9	38 47 03.04	76 16 08.03	N 43 32 W	S 43 32 E	568	Lawn.
			N 80 40 W	S 80 40 E	392	Clump.
			S 20 32 W	N 20 32 E	558	Pink.

UPPER HILL.

(*Eastern Bay—Chart No. 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 51 52.53	76 15 12.90	N 4 36 E	S 4 37 W	5,206	Parsons.
			N 34 20 W	S 34 21 E	4,616	Needle.
			S 34 50 W	N 34 49 E	1,334	Dixon.
2	38 52 03.54	76 15 17.66	N 6 26 E	S 6 27 W	4,848	Parsons.
			N 35 46 W	S 35 47 E	4,240	Needle.
			S 23 28 W	N 23 27 E	1,599	Dixon.
3	38 52 05.52	76 15 10.08	N 4 08 E	S 4 09 W	4,763	Parsons.
			N 38 26 W	S 38 26 E	4,308	Needle.
			S 28 37 W	N 28 36 E	1,747	Dixon.
4	38 51 54.60	76 15 05.40	N 2 28 E	S 2 28 W	5,124	Parsons.
			N 36 49 W	S 36 50 E	4,674	Needle.
			S 39 29 W	N 39 29 E	1,509	Dixon.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

ALDRIDGES DISCOVERY.

(*Miles River—Chart No. 32.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 51 31.38	76 14 49.48	S 74 32 W	N 74 31 E	1,432	Dixon.
			S 4 16 W	N 4 16 E	3,503	Seth.
			S 22 19 E	N 22 18 W	5,019	Sara.
2	38 51 43.26	76 14 40.48	S 64 11 W	N 64 10 E	1,796	Dixon.
			S 7 17 W	N 7 17 E	3,925	Seth.
			S 18 18 E	N 18 18 W	5,313	Sara.
3	38 51 33.94	76 14 32.18	S 75 42 W	N 75 42 E	1,894	Dixon.
			S 11 20 W	N 11 19 E	3,650	Seth.
			S 17 02 E	N 17 02 W	4,946	Sara.

HORSESHOE.

(*Miles River—Chart No. 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 51 30.28	76 14 25.02	S 87 39 W	N 87 39 E	1,019	Pearson.
			S 14 41 W	N 14 41 E	3,573	Seth.
			S 15 18 E	N 15 18 W	4,776	Sara.
2	38 51 38.50	76 14 25.80	S 72 16 W	N 72 16 E	1,048	Pearson.
			S 13 21 W	N 13 20 E	3,836	Seth.
			S 14 42 E	N 14 42 W	5,049	Sara.
3	38 51 39.40	76 14 08.86	S 76 24 W	N 76 24 E	1,486	Pearson.
			S 19 30 W	N 19 29 E	3,992	Seth.
			S 9 38 E	N 9 38 W	4,985	Sara.
4	38 51 31.18	76 14 08.08	S 87 11 W	N 87 10 E	1,467	Pearson.
			S 21 13 W	N 21 12 E	3,739	Seth.
			S 9 57 E	N 9 57 W	4,707	Sara.

TURTLE BACK.

(*Miles River—Chart No. 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 50 55.28	76 14 15.54	N 48 05 W	S 48 06 E	1,705	Pearson.
			S 26 56 W	N 26 55 E	2,552	Seth.
			S 16 26 E	N 16 26 W	3,572	Sara.
2	38 50 56.28	76 14 22.26	N 44 39 W	S 44 39 E	1,553	Pearson.
			S 22 58 W	N 22 58 E	2,508	Seth.
			S 18 57 E	N 18 57 W	3,657	Sara.
3	38 51 16.84	76 14 13.96	N 72 34 W	S 72 34 E	1,374	Pearson.
			S 21 45 W	N 21 44 E	3,233	Seth.
			S 13 08 E	N 13 08 W	4,265	Sara.
4	38 51 11.18	76 13 58.00	N 70 49 W	S 70 49 E	1,833	Pearson.
			S 29 56 W	N 29 55 E	3,244	Seth.
			S 7 52 E	N 7 52 W	3,999	Sara.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

SEA TURTLE.

(*Miles River—Chart No. 32.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 51 02.58	76 15 23.66	N 30 37 E	S 30 37 W	1,037	Pearson.
			N 39 03 W	S 39 03 E	759	Dixon.
			S 61 55 W	N 61 54 E	1,471	Rich Neck Water Tank.
2	38 51 07.98	76 15 26.28	N 40 03 W	S 40 03 E	927	Pearson.
			N 45 07 W	S 45 07 E	577	Dixon.
			S 54 33 W	N 54 33 E	1,508	Rich Neck Water Tank.
3	38 51 13.84	76 15 06.67	N 8 52 E	S 8 52 W	519	Pearson.
			N 77 14 W	S 77 15 E	949	Dixon.
			S 58 27 W	N 58 26 E	2,048	Rich Neck Water Tank.
4	38 51 08.58	76 15 03.15	N 1 04 W	S 1 04 E	690	Pearson.
			N 69 12 W	S 69 12 E	1,089	Dixon.
			S 64 03 W	N 64 03 E	2,045	Rich Neck Water Tank.

BOZMAN NECK.

(*Miles River—Chart No. 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 50 31.80	76 15 13.30	N 7 31 E	S 7 31 W	1,947	Pearson.
			N 24 47 W	S 24 47 E	1,792	Dixon.
			N 77 36 W	S 77 37 E	1,609	Rich Neck Water Tank.
2	38 50 47.10	76 15 33.18	N 28 51 E	S 28 51 W	1,615	Pearson.
			N 11 33 W	S 11 33 E	1,135	Dixon.
			S 80 44 W	N 80 44 E	1,061	Rich Neck Water Tank.
3	38 50 53.96	76 15 23.76	N 24 09 E	S 24 09 W	1,296	Pearson.
			N 28 23 W	S 28 23 E	1,001	Dixon.
			S 72 45 W	N 72 45 E	1,356	Rich Neck Water Tank.
4	38 50 44.02	76 15 10.12	N 0 25 E	S 0 25 W	1,528	Pearson.
			N 34 30 W	S 34 30 E	1,474	Dixon.
			S 87 41 W	N 87 41 E	1,656	Rich Neck Water Tank.
5	38 50 35.58	76 15 06.92	N 2 45 E	S 2 45 W	1,804	Pearson.
			N 31 31 W	S 31 31 E	1,760	Dixon.
			N 82 31 W	S 82 52 E	1,753	Rich Neck Water Tank.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

HAMBLETON HILL.

(*Miles River—Chart No. 32.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 49 54.92	76 14 28.06	N 16 28 W	S 16 28 E	3,309	Pearson.
			S 73 50 W	N 73 49 E	860	Seth.
			N 80 53 E	S 80 54 W	2,579	Herr.
2	38 50 10.40	76 14 47.90	N 8 54 W	S 8 54 E	2,685	Pearson.
			S 21 39 W	N 21 39 E	819	Seth.
			S 87 53 E	N 87 52 W	3,071	Herr.
3	38 50 40.48	76 14 09.46	N 41 06 W	S 41 07 E	2,173	Pearson.
			S 36 33 W	N 36 32 E	2,210	Seth.
			S 61 14 E	N 61 14 W	2,345	Herr.
4	38 50 44.92	76 13 48.08	N 53 15 W	S 53 15 E	2,487	Pearson.
			S 44 19 W	N 44 18 E	2,691	Seth.
			S 49 24 E	N 49 24 W	1,964	Herr.
5	38 50 31.34	76 13 45.54	N 46 37 W	S 46 38 E	2,834	Pearson.
			S 53 00 W	N 52 59 E	2,439	Seth.
			S 60 04 E	N 60 03 W	1,644	Herr.
6	38 50 15.46	76 14 13.72	N 27 57 W	S 27 57 E	2,808	Pearson.
			S 52 15 W	N 52 14 E	1,522	Seth.
			S 82 32 E	N 82 31 W	2,186	Herr.

WEST END.

(*Miles River—Chart No. 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 49 43.94	76 12 45.04	N 51 08 E	S 51 08 W	1,903	Wood.
			N 12 25 W	S 12 25 E	797	Herr.
			S 53 28 W	N 53 27 E	1,714	Sara.
2	38 49 57.00	76 13 59.42	S 78 55 W	N 78 54 E	1,611	Seth.
			S 21 51 E	N 21 50 W	1,574	Sara.
			N 79 18 E	S 79 19 W	1,822	Herr.
3	38 50 36.08	76 13 06.98	S 61 14 W	N 61 13 E	3,381	Seth.
			S 22 34 E	N 22 34 W	1,061	Herr.
			S 87 50 E	N 87 50 W	1,949	Frank.
4	38 50 07.02	76 12 51.54	N 59 31 E	S 59 32 W	1,787	Frank.
			N 20 33 E	S 20 33 W	2,270	Benn.
			S 79 08 W	N 79 07 E	3,433	Seth.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

HAMBLETON.

(*Miles River—Chart No. 32.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 49 23.80	76 14 15.36	S 71 17 E	N 71 16 W	1,062	Sara.
			N 56 36 E	S 56 37 W	2,649	Herr.
			N 55 06 W	S 55 06 E	1,415	Seth.
2	38 49 28.52	76 14 39.72	S 73 07 E	N 73 07 W	1,722	Sara.
			N 65 32 E	S 65 33 W	3,135	Herr.
			N 38 32 W	S 38 32 E	832	Seth.
3	38 49 38.20	76 14 40.12	S 63 31 E	N 63 31 W	1,854	Sara.
			N 71 16 E	S 71 17 W	3,024	Herr.
			N 57 26 W	S 57 27 E	601	Seth.
4	38 49 37.82	76 13 13.44	N 30 24 E	S 30 24 W	1,142	Herr.
			N 83 08 W	S 83 09 E	2,815	Seth.
			S 37 39 W	N 37 38 E	1,028	Sara.
5	38 49 32.02	76 13 09.72	S 49 35 W	N 49 34 E	954	Sara.
			S 10 19 E	N 10 19 W	1,965	Spar.
			N 22 07 E	S 22 07 W	1,274	Herr.

TIDEMILL.

(*Miles River—Chart No. 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 48 37.48	76 13 02.90	S 61 09 E	N 61 09 W	197	Spar.
			N 5 40 E	S 5 40 W	3,035	Herr.
			N 36 34 W	S 36 34 E	1,520	Sara.
	Thence from corner No. 1 along the mean low-water line of the shore to corner No. 2, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
2	38 49 14.48	76 13 35.54	N 63 03 W	S 63 04 E	2,480	Seth.
			S 59 08 W	N 59 08 E	51	Sara.
			S 37 35 E	N 37 35 W	1,694	Spar.
3	38 49 18.46	76 13 41.28	S 33 36 E	N 33 36 W	194	Sara.
			N 38 42 E	S 38 43 W	2,099	Herr.
			N 64 20 W	S 64 20 E	2,286	Seth.
	Thence from corner No. 3 along the mean low-water line of the shore to corner No. 4, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
4	38 49 14.74	76 14 14.88	S 87 57 E	N 87 57 W	994	Sara.
			N 51 16 E	S 51 17 W	2,818	Herr.
			N 46 27 W	S 46 28 E	1,619	Seth.
5	38 49 19.10	76 14 15.08	S 79 39 E	N 79 38 W	1,015	Sara.
			N 53 44 E	S 53 45 W	2,733	Herr.
			N 50 17 W	S 50 17 E	1,518	Seth.
6	38 49 25.66	76 13 36.92	N 71 02 W	S 71 03 E	2,300	Seth.
			S 0 57 W	N 0 57 E	402	Sara.
			S 31 53 E	N 31 54 W	2,025	Spar.
7	38 48 48.26	76 12 49.34	N 55 50 W	S 55 50 E	1,528	Sara.
			S 22 04 W	N 22 04 E	494	Spar.
			S 13 48 E	N 13 48 W	1,065	Deewat.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

SCOTLAND.

(*Miles River—Chart No. 32.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 48 27.86	76 12 50.08	S 38 19 E	N 38 19 W	441	Deewat.
			N 68 47 E	S 68 48 W	1,447	Ollie.
			N 0 40 W	S 0 40 E	3,344	Herr.
	Thence from corner No. 1 along the mean low-water line of the shore to corner No. 2, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
2	38 48 37.48	76 13 02.90	S 61 09 E	N 61 09 W	197	Spar.
			N 5 40 E	S 5 40 W	3,035	Herr.
			N 36 34 W	S 36 34 E	1,520	Sara.
3	38 48 48.26	76 12 49.34	N 55 50 W	S 55 50 E	1,528	Sara.
			S 22 04 W	N 22 04 E	494	Spar.
			S 13 48 E	N 13 48 W	1,065	Deewat.
4	38 48 41.30	76 12 31.26	N 57 53 W	S 57 54 E	2,055	Sara.
			S 71 22 W	N 71 21 E	700	Spar.
			S 15 35 W	N 15 35 E	830	Deewat.

DEEP WATER POINT.

(*Miles River—Chart No. 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 48 00.00	76 12 40.70	N 82 19 E	S 82 20 W	1,079	Swing.
			N 2 31 E	S 2 31 W	594	Deewat.
			S 22 13 W	N 22 13 E	650	Millwind.
2	38 48 10.35	76 12 49.92	S 0 08 W	N 0 08 E	951	Millwind.
			S 81 09 E	N 81 08 W	1,330	Swing.
			N 47 49 E	S 47 50 W	363	Deewat.
3	38 48 13.76	76 12 45.06	S 6 59 W	N 6 59 E	1,074	Millwind.
			S 74 54 E	N 74 54 W	1,228	Swing.
			N 47 32 E	S 47 32 W	191	Deewat.
4	38 48 03.59	76 12 32.86	S 32 04 W	N 32 03 E	853	Millwind.
			N 88 28 E	S 88 28 W	864	Swing.
			N 20 57 W	S 20 57 E	505	Deewat.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

ASH CRAFT.

(*Miles River—Chart No. 32.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 47 29.22	76 12 37.86	N 36 19 W	S 36 19 E	541	Millwind.
			S 69 19 W	N 69 19 E	1,579	St. Michaels Water Tank.
			S 30 02 E	N 30 02 W	2,198	Stony.
2	38 47 36.30	76 12 50.26	N 1 55 E	S 1 55 W	198	Millwind.
			S 55 18 W	N 55 18 E	1,400	St Michaels Water Tank.
			S 33 41 E	N 33 41 W	2,573	Stony.
3	38 47 51.46	76 12 34.16	N 64 17 E	S 64 18 W	996	Swing.
			N 9 26 W	S 9 26 E	893	Deewat.
			S 53 08 W	N 53 09 E	523	Millwind.
4	38 47 44.54	76 12 22.04	N 72 06 E	S 72 06 W	897	Fair.
			N 22 42 W	S 22 42 E	1,208	Deewat.
			S 83 48 W	N 83 47 E	743	Millwind.

SECOND POINT.

(*Miles River—Charts Nos. 32 and 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 47 13.02	76 12 07.27	N 48 56 W	S 48 57 E	1,496	Millwind.
			S 89 43 W	N 89 42 E	2,286	St. Michaels Water Tank.
			S 12 11 E	N 12 11 W	1,388	Stony.
2	38 47 25.98	76 12 21.26	N 54 17 W	S 54 17 E	935	Millwind.
			S 76 50 W	N 76 49 E	1,967	St. Michaels Water Tank.
			S 20 16 E	N 20 16 W	1,912	Stony.
3	38 47 52.66	76 12 09.96	N 89 49 E	S 89 49 W	534	Fair.
			N 43 02 W	S 43 03 E	1,150	Deewat.
			S 71 29 W	N 71 28 E	1,114	Millwind.
4	38 47 19.28	76 11 54.46	N 32 37 E	S 32 37 W	1,005	Leeds.
			N 62 15 W	S 62 15 E	1,657	Millwind.
			S 1 40 W	N 1 40 E	1,568	Stony.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

WILD GROUND.

(*Miles River—Chart No. 32.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 48 47.60	76 12 39.90	N 6 29 W	S 6 29 E	2,696	Herr.
			N 59 49 W	S 59 49 E	1,750	Sara.
			S 44 55 W	N 44 55 E	616	Spar.
2	38 49 15.62	76 12 56.20	N 4 03 E	S 4 03 W	1,738	Herr.
			S 86 34 W	N 86 33 E	1,085	Sara.
			S 0 12 W	N 0 12 E	1,381	Spar.
3	38 49 49.44	76 12 22.26	N 27 08 E	S 27 08 W	1,684	Frank.
			N 52 29 W	S 52 30 E	973	Herr.
			S 58 39 W	N 58 38 E	2,316	Sara.
4	38 49 41.90	76 12 09.46	N 23 16 E	S 23 16 W	1,375	Wood.
			N 52 39 W	S 52 39 E	1,397	Herr.
			S 67 40 W	N 67 39 E	2,503	Sara.

SYCAMORE.

(*Miles River—Chart No. 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 49 41.90	76 12 09.46	N 23 16 E	S 23 16 W	1,375	Wood.
			N 52 39 W	S 52 39 E	1,397	Herr.
			S 67 40 W	N 67 39 E	2,503	Sara.
2	38 49 49.44	76 12 22.26	N 27 08 E	S 27 08 W	1,684	Frank.
			N 52 29 W	S 52 30 E	973	Herr.
			S 58 39 W	N 58 38 E	2,316	Sara.
3	38 50 20.14	76 12 06.56	S 69 33 W	N 69 32 E	1,266	Herr.
			S 86 44 W	N 86 44 E	467	Wood.
			N 37 21 E	S 37 21 W	583	Frank.
4	38 50 19.38	76 11 48.90	N 12 52 W	S 12 52 E	502	Frank.
			S 75 50 W	N 75 50 E	1,704	Herr.
			S 4 42 W	N 4 41 E	3,249	Ollie.
	Thence from corner No. 4 along the mean low water line of the shore to corner No. 5, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
5	38 49 46.54	76 11 32.30	N 21 34 W	S 21 34 E	1,190	Wood.
			N 71 43 W	S 71 44 E	2,201	Herr.
			S 18 17 W	N 18 17 E	2,243	Ollie.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

EAST END.

(*Miles River—Chart No. 32.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 49 43.94	76 12 45.04	N 51 08 E	S 51 08 W	1,903	Wood.
			N 12 25 W	S 12 25 E	797	Herr.
			S 53 28 W	N 53 27 E	1,714	Sara.
2	38 50 07.02	76 12 51.54	N 59 31 E	S 59 32 W	1,787	Frank.
			N 20 33 E	S 20 33 W	2,270	Benn.
			S 79 08 W	N 79 07 E	3,433	Seth.
3	38 50 13.58	76 12 35.30	N 10 57 E	S 10 57 W	1,940	Benn.
			S 62 41 W	N 62 41 E	482	Herr.
			S 17 29 E	N 17 29 W	3,189	Ollie.
4	38 49 57.98	76 12 30.18	S 13 49 W	N 13 49 E	2,894	Spar.
			N 56 31 E	S 56 31 W	1,306	Wood.
			N 5 29 E	S 5 29 W	2,442	Benn.

HERRING ISLAND.

(*Miles River—Chart No. 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 50 07.02	76 12 51.54	N 59 31 E	S 59 32 W	1,787	Frank.
			N 20 33 E	S 20 33 W	2,270	Benn.
			S 79 08 W	N 79 07 E	3,433	Seth.
2	38 50 36.08	76 13 06.98	S 61 14 W	N 61 13 E	3,381	Seth.
			S 22 34 E	N 22 34 W	1,061	Herr.
			S 87 50 E	N 87 50 W	1,949	Frank.
3	38 50 48.30	76 13 17.28	S 9 22 W	N 9 22 E	3,234	Sara.
			S 77 40 E	N 77 39 W	2,271	Frank.
			N 63 33 E	S 63 34 W	1,648	Benn.
Thence along county boundary as delineated on Chart No. 32 to corner No. 4.						
4	38 50 39.24	76 12 20.10	S 35 12 W	N 35 11 E	3,530	Sara.
			S 75 46 E	N 75 45 W	734	Frank.
			N 71 09 E	S 71 09 W	778	James.
5	38 50 13.58	76 12 35.30	N 10 57 E	S 10 57 W	1,940	Benn.
			S 62 41 W	N 62 41 E	482	Herr.
			S 17 29 E	N 17 29 W	3,189	Ollie.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

WYE TOWN.

(*Wye River—Chart No. 32.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 50 19.38	76 11 48.90	N 12 52 W	S 12 52 E	502	Frank.
			S 75 50 W	N 75 50 E	1,704	Herr.
			S 4 42 W	N 4 41 E	3,249	Ollie.
2	38 50 20.14	76 12 06.56	S 69 33 W	N 69 32 E	1,266	Herr.
			S 86 44 W	N 86 44 E	467	Wood.
			N 37 21 E	S 37 21 W	583	Frank.
3	38 50 42.68	76 12 10.64	S 57 17 E	N 57 18 W	549	Frank.
			N 74 25 E	S 74 26 W	505	James.
			N 16 59 W	S 16 59 E	966	Benn.
4	38 51 07.40	76 11 52.90	S 80 02 E	N 80 02 W	483	Law.
			N 31 36 E	S 31 36 W	973	Bruffs.
			N 83 11 W	S 83 11 E	755	Benn.
5	38 51 02.72	76 11 45.58	N 75 19 E	S 75 19 W	293	Law.
			N 17 48 E	S 17 49 W	1,037	Bruffs.
			N 75 17 W	S 75 18 E	975	Benn.
6	38 50 46.70	76 11 52.20	N 36 41 E	S 36 41 W	767	Law.
			N 44 17 W	S 44 17 E	1,100	Benn.
			S 49 29 W	N 49 28 E	2,059	Herr.

Thence from corner No. 6 along the mean low water line of the shore to corner No. 1, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.

BRUFFS ISLAND.

(*Wye River—Chart No. 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 51 02.72	76 11 45.58	N 75 19 E	S 75 19 W	293	Law.
			N 17 48 E	S 17 49 W	1,037	Bruffs.
			N 75 17 W	S 75 18 E	975	Benn.
2	38 51 07.40	76 11 52.90	S 80 02 E	N 80 02 W	483	Law.
			N 31 36 E	S 31 36 W	973	Bruffs.
			N 83 11 W	S 83 11 E	755	Benn.
3	38 51 41.96	76 11 39.82	N 2 29 E	S 2 29 W	888	Nose.
			N 89 01 W	S 89 01 E	431	Won.
			S 37 04 W	N 37 04 E	921	Hough.
4	38 51 43.96	76 11 25.88	S 85 42 W	N 85 42 E	801	Won.
			S 1 15 W	N 1 15 E	352	Shaw.
			N 62 46 E	S 62 46 W	482	South.
5	38 51 35.46	76 11 13.80	N 74 55 E	S 74 55 W	1,001	Edward.
			N 12 14 E	S 12 14 W	519	South.
			S 78 40 W	N 78 39 E	332	Shaw.
6	38 51 30.00	76 11 20.90	S 70 58 E	N 70 57 W	1,217	Colonel.
			N 68 55 E	S 68 55 W	1,236	Edward.
			N 49 30 W	S 49 30 E	183	Shaw.

Thence from corner No. 6 along the mean low water line of the shore to corner No. 7, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.

7	38 51 20.02	76 11 32.06	N 5 36 W	S 5 36 E	406	Bruffs.
			N 89 36 W	S 89 36 E	759	Hough.
			S 8 12 W	N 8 12 E	514	Law.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

SHAW BAY HILL.

(*Wye River—Chart No. 32.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 51 08.66	76 11 18.45	N 73 27 E	S 73 27 W	1 133	Colonel.
			N 9 22 E	S 9 22 W	1,430	South.
			N 88 22 W	S 88 23 E	1,659	Benn.
2	38 51 14.64	76 11 18.42	N 83 38 E	S 83 38 W	1,091	Colonel.
			N 30 21 E	S 30 21 W	2,037	Flat.
			N 10 51 E	S 10 51 W	1,231	South.
3	38 51 14.62	76 11 11.94	N 82 25 E	S 82 25 W	922	Colonel.
			N 26 01 E	S 26 01 W	1,958	Flat.
			N 2 53 E	S 2 53 W	1,212	South.
4	38 51 08.78	76 11 12.28	N 70 57 E	S 70 57 W	977	Colonel.
			N 2 51 E	S 2 51 W	1,409	South.
			N 88 39 W	S 88 40 E	1,821	Benn.

RACE HORSE (Talbot County).

(*Wye River—Chart No. 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 51 21.58	76 10 55.52	S 76 47 E	N 76 47 W	493	Colonel.
			N 33 35 E	S 33 35 W	875	Edward.
			N 20 53 W	S 20 53 E	1,039	South.
2	38 51 41.04	76 10 59.44	N 82 59 E	S 83 00 W	592	Edward.
			N 40 06 W	S 40 06 E	417	South.
			S 70 13 W	N 70 12 E	749	Shaw.
	Thence along county boundary as delineated on Chart No. 32 to corner No. 3.					
3	38 51 56.76	76 10 34.74	S 8 00 W	N 8 00 E	463	Edward.
			N 57 01 E	S 57 02 W	753	Albert.
			N 19 54 W	S 19 54 E	360	Flat.
4	38 51 53.40	76 10 16.98	S 57 06 W	N 57 05 E	634	Edward.
			S 19 07 E	N 19 07 W	440	Lloyd.
			N 17 25 E	S 17 25 W	549	Albert.
5	38 51 44.00	76 10 18.00	N 47 24 E	S 47 25 W	1,001	Cousin.
			N 12 49 E	S 12 49 W	862	Albert.
			N 36 16 W	S 36 16 E	953	Flat.
	Thence from corner No. 5 along the mean low water line of the shore to corner No. 6, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide					
6	38 51 43.18	76 10 37.18	N 38 44 E	S 38 44 W	1,113	Albert.
			N 4 09 W	S 4 09 E	798	Flat.
			N 73 53 W	S 73 54 E	890	South.
7	38 51 29.42	76 10 39.24	N 6 41 E	S 6 41 W	467	Edward.
			N 48 25 W	S 48 26 E	1,072	South.
			S 7 48 E	N 7 48 W	381	Colonel.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

WINDERS BANK.

(*Wye River—Chart No. 32.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 51 49.42	76 10 01.20	N 30 43 E	S 30 43 W	575	Cousin.
			N 20 56 W	S 20 57 E	704	Albert.
			S 44 03 W	N 44 03 E	392	Lloyd.
2	38 51 55.86	76 10 09.00	S 7 36 W	N 7 36 E	503	Lloyd.
			N 60 57 E	S 60 57 W	572	Cousin.
			N 5 59 W	S 5 59 E	443	Albert.
	Thence along county boundary as delineated on Chart No. 32 to Corner No. 3.					
3	38 52 10.38	76 10 01.42	S 54 43 E	N 54 43 W	367	Cousin.
			N 28 00 E	S 28 00 W	226	Baldwins.
			N 47 03 W	S 47 04 E	329	Le Seur.
4	38 52 10.62	76 09 57.20	S 40 34 E	N 40 34 W	290	Cousin.
			N 1 35 W	S 1 35 E	191	Baldwins.
			S 80 56 W	N 80 56 E	362	Albert.
5	38 51 59.68	76 09 48.34	N 16 52 W	S 16 52 E	155	Cousin.
			N 62 10 W	S 62 10 E	668	Albert.
			S 44 15 W	N 44 15 E	876	Lloyd.

POPLAR POINT.

(*Wye River—Chart No. 32.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 52 18.68	76 09 56.06	N 28 19 E	S 28 19 W	287	Sylvia.
			N 29 06 W	S 29 06 E	344	Attila.
			S 23 40 W	N 23 40 E	87	Baldwins.
2	38 52 20.62	76 10 01.72	N 4 25 W	S 4 25 E	236	Attila.
			S 62 33 W	N 62 33 E	262	Le Seur.
			S 37 57 E	N 37 57 W	185	Baldwins.
	Thence along county boundary as delineated on Chart No. 32 to corner No. 3.					
3	38 52 26.50	76 09 57.10	S 1 19 W	N 1 19 E	344	Baldwins.
			S 85 52 E	N 85 52 W	163	Sylvia.
			N 41 24 E	S 41 24 W	490	Gusta.
	Thence along county boundary as delineated on Chart No. 32 to corner No. 4.					
4	38 52 52.64	76 09 45.28	S 89 31 W	N 89 31 E	396	Sang.
			S 26 53 E	N 26 53 W	265	Nodim.
			N 43 23 E	S 43 23 W	280	Go.
	Thence along county boundary as delineated on Chart No. 32 to corner No. 5.					
5	38 52 52.48	76 09 30.12	N 65 37 E	S 65 37 W	523	Divide.
			N 44 54 W	S 44 54 E	294	Go.
			S 50 31 W	N 50 31 E	362	Nodim.
6	38 52 47.54	76 09 30.62	S 80 45 E	N 80 45 W	611	Quarter.
			N 51 59 E	S 51 59 W	621	Divide.
			N 27 25 W	S 27 25 E	422	Go.
7	38 52 48.08	76 09 41.54	S 14 04 E	N 14 04 W	86	Nodim.
			N 14 39 E	S 14 39 W	369	Go.
			N 31 06 W	S 31 06 E	451	Turn.
8	38 52 32.68	76 09 47.50	N 23 59 E	S 23 59 W	174	Gusta.
			N 53 18 W	S 53 18 E	359	Tobins.
			S 22 12 W	N 22 12 E	237	Sylvia.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

JUNIPER.

(*Wye River—Chart No. 32.*

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 52 46.56	76 09 09.86	N 61 11 W	S 61 11 E	846	Go.
			S 40 31 E	N 40 31 W	85	Quarter.
			N 50 45 E	S 50 45 W	387	Deck.
2	38 52 49.82	76 09 12.98	N 65 41 W	S 65 41 E	724	Go.
			S 38 14 E	N 38 14 W	223	Quarter.
			N 70 33 E	S 70 33 W	405	Deck.
3	38 52 57.10	76 09 01.18	N 9 49 W	S 9 49 E	247	Princess.
			N 78 11 W	S 78 11 E	293	Divide.
			S 32 40 E	N 32 40 W	131	Deck.
4	38 52 54.80	76 08 58.88	N 17 45 W	S 17 45 E	338	Princess.
			N 68 24 W	S 68 24 E	374	Divide.
			S 17 17 E	N 17 17 W	34	Deck.

POPLAR ISLAND NARROWS.

(*Chesapeake Bay—Vicinity Poplar Island—Chart No. 33.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 39.07	76 20 37.00	N 7 13 E	S 7 13 W	577	Great.
			N 50 49 W	N 50 51 E	5,069	Valliant.
			S 0 30 E	N 0 30 W	1,280	Front.
2	38 44 43.23	76 20 53.90	S 17 51 E	N 17 51 W	1,492	Front.
			N 50 12 E	S 50 12 W	676	Great.
			N 18 18 E	S 18 18 W	3,912	Haddaway.
3	38 44 50.35	76 21 22.52	S 36 10 E	N 36 10 W	2,056	Front.
			N 81 25 E	S 81 26 W	1,289	Great.
			N 29 44 E	S 29 44 W	4,000	Haddaway.
4	38 45 32.22	76 22 03.07	S 65 03 W	N 65 03 E	1,179	Poplar South.
			S 62 32 E	N 62 31 W	2,643	Great.
			N 55 58 E	S 56 00 W	3,685	Haddaway.
5	38 47 09.33	76 21 17.76	S 14 20 E	N 14 20 W	4,639	Great.
			S 56 52 E	N 56 52 W	2,219	Haddaway.
			N 46 41 E	S 46 43 W	7,455	Kemp Tower.
6	38 47 16.80	76 20 36.40	S 27 37 E	N 27 37 W	1,654	Haddaway.
			N 41 42 E	S 41 44 W	6,497	Kemp Tower.
			N 39 44 W	S 39 46 E	7,208	Bloody Point Bar Light.
7	38 46 06.70	76 20 50.90	S 60 48 W	N 60 47 E	3,402	Poplar South.
			S 10 28 E	N 10 28 W	2,422	Great.
			N 51 58 E	S 51 58 W	1,459	Haddaway.
8	38 46 03.46	76 20 20.90	N 19 31 E	S 19 31 W	1,070	Haddaway.
			S 67 36 W	N 67 34 E	4,068	Poplar South.
			S 8 49 W	N 8 49 E	2,300	Great.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

POPLAR ISLAND NARROWS—Continued.

(*Chesapeake Bay—Vicinity Poplar Island—Chart No. 33*)—Continued.

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
9	38 45 45.58	76 20 17.42	N 9 21 E	S 9 21 W	1,633	Haddaway.
			S 76 11 W	N 76 13 E	3,968	Poplar South.
			S 14 54 W	N 14 54 E	1,728	Great.
10	38 45 04.40	76 20 39.70	N 15 53 E	S 15 53 W	3,119	Haddaway.
			N 58 40 W	S 58 41 E	4,515	Valliant.
			S 2 12 E	N 2 12 W	2,135	Front.

BAY HUNDRED.

(*Chesapeake Bay—Vicinity Poplar Island—Chart No. 33.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards*	
1	38 42 49.30	76 21 17.92	S 36 04 E	N 36 04 W	1,124	Wap.
			N 24 16 E	S 24 16 W	2,657	Front.
			N 24 19 W	S 24 20 E	5,483	Poplar South.
2	38 43 14.68	76 22 06.60	S 47 50 E	N 47 50 W	2,628	Wap.
			N 56 37 E	S 56 38 W	2,848	Front.
			N 13 16 W	S 13 16 E	4,254	Poplar South.
3	38 44 20.44	76 21 22.35	S 61 41 E	N 61 41 W	1,374	Front.
			N 46 37 E	S 46 37 W	1,748	Great.
			N 48 09 W	S 48 09 E	2,882	Poplar South.
4	38 44 50.35	76 21 22.52	S 36 10 E	N 36 10 W	2,056	Front.
			N 81 25 E	S 81 26 W	1,289	Great.
			N 29 44 E	S 29 44 W	4,000	Haddaway.
5	38 44 43.23	76 20 53.00	S 17 51 E	N 17 51 W	1,492	Front.
			N 50 12 E	S 50 12 W	676	Great.
			N 18 18 E	S 18 18 W	3,912	Haddaway.
6	38 43 28.42	76 20 41.93	N 7 17 E	S 7 17 W	1,112	Front.
			N 41 05 W	S 41 06 E	4,880	Poplar South.
			S 7 24 W	N 7 24 E	2,246	Wap.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

PONE.

(Chesapeake Bay—Off Tilghman Island—Chart No. 33.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 40 32.40	76 21 36.58	S 18 42 W	N 18 41 E	4,692	Sharps Island Light.
			S 65 21 E	N 65 20 W	2,090	Black.
			N 17 18 E	S 17 18 W	3,883	Wap.
2	38 41 18.60	76 22 39.92	S 1 38 E	N 1 38 W	6,004	Sharps Island Light.
			S 55 48 E	N 55 47 W	4,321	Black.
			N 52 46 E	S 52 47 W	3,553	Wap.
3	38 43 14.68	76 22 06.60	S 47 50 E	N 47 50 W	2,628	Wap.
			N 56 37 E	S 56 38 W	2,848	Front.
			N 13 16 W	S 13 16 E	4,254	Poplar South.
4	38 42 49.30	76 21 17.92	S 36 04 E	N 36 04 W	1,124	Wap.
			N 24 16 E	S 24 16 W	2,657	Front.
			N 24 19 W	S 24 20 E	5,483	Poplar South.

STONE.

(Chesapeake Bay—Vicinity Sharps Island—Charts Nos. 33 and 36.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 37 35.72	76 24 17.16	S 75 41 E	N 75 40 W	3,986	Jere.
			N 86 28 E	S 86 32 W	10,825	Chef.
			N 29 11 E	S 29 13 W	11,070	Wap.
2	38 38 33.84	76 24 01.16	S 49 25 E	N 49 24 W	4,529	Jere.
			S 79 07 E	N 79 06 W	2,363	Sharps Island Light.
			N 32 51 E	S 32 53 W	9,172	Wap.
3	38 40 14.30	76 22 52.70	S 7 36 E	N 7 36 W	3,867	Sharps Island Light.
			S 86 11 E	N 86 09 W	3,922	Black.
			N 36 16 E	S 36 17 W	5,355	Wap.
4	38 40 04.04	76 21 54.70	S 16 22 W	N 16 22 E	3,635	Sharps Island Light.
			N 87 57 E	S 87 58 W	2,382	Black.
			N 19 18 E	S 19 19 W	4,942	Wap.
5	38 38 44.36	76 22 11.12	S 36 24 W	N 36 23 E	994	Sharps Island Light.
			S 9 05 E	N 9 05 W	3,342	Jere.
			N 45 25 E	S 45 26 W	3,949	Black.
6	38 38 54.12	76 21 13.58	S 15 19 W	N 15 19 E	3,763	Jere.
			S 71 39 E	N 71 36 W	6,266	Chef.
			N 27 54 E	S 27 55 W	2,758	Black.
7	38 38 34.48	76 21 08.88	N 20 15 E	S 20 15 W	3,309	Black.
			S 78 18 W	N 78 17 E	2,305	Sharps Island Light.
			S 21 01 W	N 21 01 E	3,178	Jere.
8	38 37 41.36	76 21 56.68	N 86 07 E	S 86 10 W	7,104	Chef.
			N 26 24 E	S 26 25 W	5,467	Black.
			N 36 17 W	S 36 18 E	1,646	Sharps Island Light.
9	38 37 39.48	76 22 45.64	S 52 21 E	N 52 20 W	1,816	Jere.
			N 86 18 E	S 86 21 W	8,400	Chef.
			N 17 21 E	S 17 22 W	9,993	Wap.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

CLAY BANK.

(*Chesapeake Bay—Vicinity Sharps Island—Charts Nos. 33 and 36.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 35 41.40	76 23 14.60	N 75 15 E	S 75 19 W	10,593	Cook Point Windmill.
			N 37 44 E	S 37 44 W	3,606	Jere.
			N 11 28 E	S 11 28 W	5,479	Sharps Island Light.
2	38 36 37.96	76 24 10.30	N 86 10 E	S 86 14 W	11,743	Cook Point Windmill.
			N 75 22 E	S 75 23 W	3,805	Jere.
			N 36 31 E	S 36 32 W	4,307	Sharps Island Light.
3	38 37 35.72	76 24 17.16	S 75 41 E	N 75 40 W	3,986	Jere.
			N 86 28 E	S 86 32 W	10,825	Chef.
			N 29 11 E	S 29 13 W	11,070	Wap.
4	38 37 39.48	76 22 45.64	S 52 21 E	N 52 20 W	1,816	Jere.
			N 86 18 E	S 86 21 W	8,400	Chef.
			N 17 21 E	S 17 22 W	9,093	Wap.
5	38 36 51.72	76 22 33.70	N 87 58 E	S 88 02 W	9,168	Cook Point Windmill.
			N 66 07 E	S 66 07 W	1,231	Jere.
			N 00 08 E	S 00 08 W	3,000	Sharps Island Light.

SHARPS.

(*Outer Choptank River—Charts Nos. 33, 36, and 37.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 36 39.40	76 20 43.16	S 62 38 E	N 62 36 W	7,797	Brannock.
			N 63 26 E	S 63 28 W	5,750	Chef.
			N 40 31 W	S 40 32 E	4,489	Sharps Island Light.
2	38 36 58.92	76 21 10.24	N 71 57 E	S 72 00 W	6,162	Chef.
			N 38 37 W	S 38 38 E	3,526	Sharps Island Light.
			N 76 43 W	S 76 44 E	1,112	Jere.
3	38 36 58.72	76 20 27.22	S 56 56 E	N 56 53 W	7,761	Brannock.
			N 67 52 E	S 67 54 W	5,096	Chef.
			N 50 24 W	S 50 26 E	4,332	Sharps Island Light.

Thence along county boundary as delineated on charts Nos. 33, 36, and 37 to corner No. 1.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

BLACK WALNUT.

(Outer Choptank River—Charts Nos. 33, 36, and 37.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 39 19.32	76 18 25.64	N 18 55 W	S 18 55 E	4,354	Bar.
			N 63 10 W	S 63 12 E	3,529	Black.
			S 73 11 W	N 73 13 E	6,847	Sharps Island Light.
2	38 39 32.44	76 19 53.16	N 13 47 E	S 13 47 W	3,786	Bar.
			N 35 58 W	S 35 58 E	1,422	Black.
			S 60 15 W	N 60 13 E	4,882	Sharps Island Light.
3	38 40 30.48	76 20 13.35	N 13 01 W	S 13 01 E	2,224	Southern M. E. Church.
			S 20 30 W	N 20 30 E	861	Black.
			S 39 50 E	N 39 48 W	6,798	Chef.
4	38 40 30.20	76 18 36.52	N 33 01 W	S 33 02 E	2,061	Bar.
			S 74 26 W	N 74 25 E	2,970	Black.
			S 55 06 W	N 55 03 E	7,640	Sharps Island Light.
5	38 40 05.28	76 17 58.64	N 39 36 W	S 39 37 E	3,333	Bar.
			N 89 22 W	S 89 23 E	3,864	Black.
			S 64 05 W	N 64 02 E	8,081	Sharps Island Light.
6	38 39 29.24	76 17 58.36	N 29 27 W	S 29 28 E	4,336	Bar.
			N 71 59 W	S 72 01 E	4,069	Black.
			S 72 20 W	N 72 17 E	7,636	Sharps Island Light.

SANDS.

(Outer Choptank River—Chart No. 33.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 40 05.28	76 17 58.64	N 39 36 W	S 39 37 E	3,333	Bar.
			N 89 22 W	S 89 23 E	3,864	Black.
			S 64 05 W	N 64 02 E	8,081	Sharps Island Light.
2	38 40 30.20	76 18 36.52	N 33 01 W	S 33 02 E	2,061	Bar.
			S 74 26 W	N 74 25 E	2,970	Black.
			S 55 06 W	N 55 03 E	7,640	Sharps Island Light.
3	38 41 30.48	76 18 56.80	N 28 10 E	S 28 11 W	3,509	Change 1910.
			N 37 16 W	S 37 17 E	2,709	Avalon.
			S 62 38 W	N 62 38 E	662	Bar.
4	38 41 48.84	76 17 59.20	N 78 54 E	S 78 56 W	2,701	Nelson 3.
			N 3 07 E	S 3 07 W	2,478	Change 1910.
			S 66 20 W	N 66 20 E	2,304	Bar.
5	38 40 56.92	76 17 58.88	N 1 43 E	S 1 43 W	4,227	Change 1910.
			N 68 40 W	S 68 41 E	2,274	Bar.
			S 66 14 W	N 66 12 E	4,214	Black.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

PLEASANT HILL.

(Outer Choptank River—Charts Nos. 33, 34, and 36.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 40 04.20	76 17 01.08	N 16 28 E	S 16 29 W	4,240	Nelson 3.
			N 54 28 W	S 54 29 E	4,480	Bar.
			N 89 10 W	S 89 11 E	5,385	Black.
2	38 40 05.28	76 17 58.64	N 39 36 W	S 39 37 E	3,333	Bar.
			N 89 22 W	S 89 23 E	3,864	Black.
			S 64 05 W	N 64 02 E	8,081	Sharps Island Light.
3	38 40 56.92	76 17 58.88	N 1 43 E	S 1 43 W	4,227	Change 1910.
			N 68 40 W	S 68 41 E	2,274	Bar.
			S 66 14 W	N 66 12 E	4,214	Black.
4	38 40 57.06	76 17 00.88	N 27 40 E	S 27 41 W	2,578	Nelson 3.
			N 77 19 W	S 77 20 E	3,743	Bar
			S 72 27 W	N 72 25 E	5,653	Black
5	38 40 14.76	76 17 01.00	N 17 56 E	S 17 56 W	3,899	Nelson 3
			N 58 21 W	S 58 23 E	4,286	Bar
			S 87 03 W	N 87 01 E	5,394	Black

CHURCH HILL.

(Outer Choptank River—Charts Nos. 33 and 34.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 40 56.92	76 17 58.88	N 1 43 E	S 1 43 W	4,227	Change 1910.
			N 68 40 W	S 68 41 E	2,274	Bar.
			S 66 14 W	N 66 12 E	4,214	Black.
2	38 41 48.84	76 17 59.20	N 78 54 E	S 78 56 W	2,791	Nelson 3.
			N 3 07 E	S 3 07 W	2,478	Change 1910.
			S 66 20 W	N 66 20 E	2,304	Bar.
3	38 41 54.74	76 17 00.72	N 74 10 E	S 74 11 W	1,240	Nelson 3.
			N 31 48 W	S 31 48 E	2,677	Change 1910.
			S 72 55 W	N 72 54 E	3,824	Bar.
4	38 40 57.06	76 17 00.88	N 27 40 E	S 27 41 W	2,578	Nelson 3.
			N 77 19 W	S 77 20 E	3,743	Bar.
			S 72 27 W	N 72 25 E	5,653	Black.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

WILD CHERRY TREE.

(Entrance Harris Creek—Chart No. 33.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 41 30.48	76 18 56.80	N 28 10 E	S 28 11 W	3,509	Change 1910.
			N 37 16 W	S 37 17 E	2,709	Avalon.
			S 62 38 W	N 62 38 E	662	Bar.
2	38 42 38.54	76 18 45.48	N 59 33 E	S 59 33 W	1,575	Change 1910.
			N 47 25 W	S 47 25 E	1,534	Narrows.
			S 85 52 W	N 85 52 E	1,944	Avalon.
3	38 42 49.28	76 18 17.26	S 64 58 E	N 64 57 W	3,549	Nelson 3.
			N 54 32 E	S 54 32 W	751	Change 1910.
			N 20 47 W	S 20 47 E	2,232	Eagle.
4	38 42 16.70	76 18 07.44	S 82 15 E	N 82 13 W	2,990	Nelson 3.
			N 12 56 E	S 12 56 W	1,575	Change 1910.
			N 50 16 W	S 50 16 E	2,776	Narrows.
5	38 41 48.84	76 17 59.20	N 78 54 E	S 78 56 W	2,791	Nelson 3.
			N 3 07 E	S 3 07 W	2,478	Change 1910.
			S 66 20 W	N 66 20 E	2,304	Bar.

TURNROW.

(Entrance Harris Creek—Charts Nos. 33 and 34.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 42 16.70	76 18 07.44	S 82 15 E	N 82 13 W	2,990	Nelson 3.
			N 12 56 E	S 12 56 W	1,575	Change 1910.
			N 50 16 W	S 50 16 E	2,776	Narrows.
2	38 42 49.28	76 18 17.26	S 64 58 E	N 64 57 W	3,549	Nelson 3.
			N 54 32 E	S 54 32 W	751	Change 1910.
			N 20 47 W	S 20 47 E	2,232	Eagle.
3	38 42 44.24	76 17 39.02	N 33 19 W	S 33 20 E	725	Change 1910.
			N 73 40 W	S 73 41 E	3,007	Narrows.
			S 43 26 W	N 43 25 E	3,845	Bar.
4	38 42 23.58	76 17 32.14	S 72 35 E	N 72 34 W	2,120	Nelson 3.
			N 24 00 W	S 24 01 E	1,426	Change 1910.
			N 63 18 W	S 63 19 E	3,433	Narrows.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

TILGHMAN WHARF.

(Entrance Harris Creek—Chart No. 33.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 41 30.48	76 18 56.80	N 28 10 E	S 28 11 W	3,509	Change 1910.
			N 37 16 W	S 37 17 E	2,709	Avalon.
			S 62 38 W	N 62 38 E	662	Bar.
2	38 41 55.62	76 19 44.20	S 30 00 E	N 30 00 W	1,330	Bar.
			N 52 20 E	S 52 21 W	3,674	Change 1910.
			N 16 32 W	S 16 32 E	1,364	Avalon.
3	38 42 15.82	76 19 50.27	S 24 15 E	N 24 15 W	2,010	Bar.
			N 63 00 E	S 63 01 W	3,445	Change 1910.
			N 19 59 W	S 19 59 E	666	Avalon.
4	38 42 45.90	76 19 41.50	S 49 46 W	N 49 46 E	601	Avalon.
			S 11 47 E	N 11 47 W	2,909	Bar.
			S 79 02 E	N 79 03 W	2,890	Change 1910.
5	38 43 09.63	76 19 11.75	S 46 20 W	N 46 20 E	1,721	Avalon.
			S 83 02 E	N 83 01 W	2,067	Change 1910.
			N 24 48 E	S 24 48 W	1,543	Eagle.
6	38 42 38.54	76 18 45.48	N 59 33 E	S 59 33 W	1,575	Change 1910.
			N 47 25 W	S 47 25 E	1,534	Narrows.
			S 85 52 W	N 85 52 E	1,944	Avalon.

CHANGE.

(Harris Creek—Chart No. 33.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 42 38.54	76 18 45.48	N 59 33 E	S 59 33 W	1,575	Change 1910.
			N 47 25 W	S 47 25 E	1,534	Narrows.
			S 85 52 W	N 85 52 E	1,944	Avalon.
2	38 43 31.82	76 18 32.34	S 45 20 E	N 45 20 W	1,421	Change 1910.
			N 77 36 E	S 77 36 W	903	Hen.
			N 27 57 E	S 27 58 W	2,442	Ball.
3	38 43 39.24	76 18 18.86	S 27 39 E	N 27 39 W	1,410	Change 1910.
			S 83 53 E	N 83 53 W	528	Hen.
			N 22 28 E	S 22 29 W	2,064	Ball.
4	38 43 22.44	76 18 02.20	N 8 02 E	S 8 02 W	2,498	Ball.
			N 50 50 W	S 50 51 E	1,534	Eagle.
			S 78 59 W	N 78 58 E	2,315	Narrows.
5	38 42 49.28	76 18 17.26	S 64 58 E	N 64 57 W	3,549	Nelson 3.
			N 54 32 E	S 54 32 W	751	Change 1910.
			N 20 47 W	S 20 47 E	2,232	Eagle.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

EAGLE POINT.

(*Harris Creek—Chart No. 33.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 43 31.82	76 18 32.34	S 45 20 E	N 45 20 W	1,421	Change 1910.
			N 77 36 E	S 77 36 W	903	Hen.
			N 27 57 E	S 27 58 W	2,442	Ball.
2	38 43 32.42	76 19 00.68	S 59 55 E	N 59 54 W	2,033	Change 1910.
			N 83 55 E	S 83 56 W	1,639	Hen.
			N 41 33 E	S 41 33 W	2,854	Ball.
3	38 43 42.98	76 18 58.40	S 51 01 E	N 51 00 W	2,185	Change 1910.
			S 83 22 E	N 83 22 W	1,580	Hen.
			N 45 50 E	S 45 51 W	2,556	Ball.
4	38 43 47.54	76 18 33.20	S 34 03 E	N 34 03 W	1,845	Change 1910.
			S 69 37 E	N 69 36 W	965	Hen.
			N 35 40 E	S 35 40 W	2,002	Ball.
5	38 44 11.83	76 18 36.80	S 40 52 E	N 40 52 W	1,528	Hen.
			N 57 23 E	S 57 24 W	1,499	Ball.
			N 16 32 E	S 16 32 W	2,001	Warrior.
6	38 44 09.12	76 18 21.80	S 29 33 E	N 29 33 W	1,224	Hen.
			N 43 56 E	S 43 56 W	1,249	Ball.
			N 28 46 W	S 28 46 E	1,351	Dunk.
7	38 43 39.24	76 18 18.86	S 27 39 E	N 27 39 W	1,410	Change 1910.
			S 83 53 E	N 83 53 W	528	Hen.
			N 22 28 E	S 22 29 W	2,064	Ball.

TURKEY NECK.

(*Harris Creek—Chart No. 33.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 43 39.24	76 18 18.86	S 27 39 E	N 27 39 W	1,410	Change 1910.
			S 83 53 E	N 83 53 W	528	Hen.
			N 22 28 E	S 22 29 W	2,064	Ball.
2	38 44 09.12	76 18 21.80	S 29 33 E	N 29 33 W	1,224	Hen.
			N 43 56 E	S 43 56 W	1,249	Ball.
			N 28 46 W	S 28 46 E	1,351	Dunk.
3	38 44 04.26	76 17 55.44	N 44 57 W	S 44 58 E	1,906	Dunk.
			S 72 08 W	N 72 08 E	1,438	Eagle.
			S 5 54 W	N 5 54 E	904	Hen.
4	38 43 45.80	76 18 06.96	N 27 52 W	S 27 52 E	2,230	Dunk.
			N 80 18 W	S 80 19 E	1,079	Eagle.
			S 13 01 E	N 13 01 W	1,509	Change 1910.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

MILL POINT.

(*Harris Creek—Chart No. 33.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 04.26	76 17 55.44	N 44 57 W	S 44 58 E	1,906	Dunk.
			S 72 08 W	N 72 08 E	1,438	Eagle.
			S 5 54 W	N 5 54 E	904	Hen.
2	38 44 09.12	76 18 21.80	S 29 33 E	N 29 33 W	1,224	Hen.
			N 43 56 E	S 43 56 W	1,249	Ball.
			N 28 46 W	S 28 46 E	1,351	Dunk.
3	38 44 47.38	76 18 25.46	S 67 55 E	N 67 55 W	1,039	Ball.
			N 20 34 E	S 20 34 W	769	Warrior.
			N 35 13 W	S 35 13 E	1,041	Hawk.
4	38 44 51.00	76 18 00.90	N 59 44 W	S 59 45 E	1,446	Hawk.
			S 79 17 W	N 79 16 E	1,224	Dunk.
			S 31 15 W	N 31 15 E	2,360	Eagle.
5	38 44 36.98	76 17 55.72	N 49 04 W	S 49 05 E	1,834	Hawk.
			N 79 37 W	S 79 38 E	1,362	Dunk.
			S 41 23 W	N 41 23 E	2,059	Eagle.

HUNTS.

(*Harris Creek—Chart No. 33.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 09.12	76 18 21.80	S 29 33 E	N 29 33 W	1,224	Hen.
			N 43 56 E	S 43 56 W	1,249	Ball.
			N 28 46 W	S 28 46 E	1,351	Dunk.
2	38 44 11.83	76 18 36.80	S 40 52 E	N 40 52 W	1,528	Hen.
			N 57 23 E	S 57 24 W	1,499	Ball.
			N 16 32 E	S 16 32 W	2,001	Warrior.
3	38 44 19.42	76 18 54.98	S 46 22 E	N 46 21 W	2,045	Hen.
			N 72 26 E	S 72 27 W	1,828	Ball.
			N 32 16 E	S 32 16 W	1,966	Warrior.
4	38 44 25.50	76 18 42.80	S 35 37 E	N 35 37 W	1,988	Hen.
			N 76 17 E	S 76 17 W	1,463	Ball.
			N 26 32 E	S 26 32 W	1,629	Warrior.
5	38 44 33.24	76 18 44.02	S 32 23 E	N 32 22 W	2,223	Hen.
			N 86 37 E	S 86 37 W	1,456	Ball.
			N 32 26 E	S 32 26 W	1,417	Warrior.
6	38 44 38.50	76 18 55.12	S 35 50 E	N 35 49 W	2,534	Hen.
			S 87 00 E	N 86 59 W	1,749	Ball.
			N 45 57 E	S 45 57 W	1,465	Warrior.
	Thence from corner No. 6 along the mean low-water line of the shore to corner No. 7, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
7	38 44 44.25	76 18 46.42	S 79 21 E	N 79 20 W	1,543	Ball.
			N 44 57 E	S 44 57 W	1,166	Warrior.
			N 2 48 W	S 2 48 E	958	Hawk.
8	38 44 47.38	76 18 25.46	S 67 55 E	N 67 55 W	1,039	Ball.
			N 20 34 E	S 20 34 W	769	Warrior.
			N 35 13 W	S 35 13 E	1,041	Hawk.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

SETHS POINT.

(*Harris Creek—Chart No. 33.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 44.25	76 18 46.42	S 79 21 E	N 79 20 W	1,543	Ball.
			N 44 57 E	S 44 57 W	1,166	Warrior.
			N 2 48 W	S 2 48 E	958	Hawk.
2	38 45 06.30	76 18 44.22	S 54 48 E	N 54 48 W	1,785	Ball.
			N 83 55 E	S 83 55 W	770	Warrior.
			N 7 06 E	S 7 06 W	1,575	Smith.
3	38 45 01.47	76 18 27.00	S 49 13 E	N 49 13 W	1,325	Ball.
			N 51 47 E	S 51 47 W	396	Warrior.
			N 8 34 W	S 8 34 E	1,744	Smith.
4	38 44 51.00	76 18 00.90	N 59 44 W	S 59 45 E	1,446	Hawk.
			S 79.17 W	N 79 16 E	1,224	Dunk.
			S 31 15 W	N 31 15 E	2,360	Eagle.
5	38 44 47.38	76 18 25.46	S 67 55 E	N 67 55 W	1,039	Ball.
			N 20 34 E	S 20 34 W	769	Warrior.
			N 35 13 W	S 35 13 E	1,041	Hawk.

LODGES.

(*Harris Creek—Chart No. 33.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 45 01.47	76 18 27.00	S 49 13 E	N 49 13 W	1,325	Ball.
			N 51 47 E	S 51 47 W	396	Warrior.
			N 8 34 W	S 8 34 E	1,744	Smith.
2	38 45 06.30	76 18 44.22	S 54 48 E	N 54 48 W	1,785	Ball.
			N 83 55 E	S 83 55 W	770	Warrior.
			N 7 06 E	S 7 06 W	1,575	Smith.
3	38 45 39.46	76 18 54.80	S 45 13 E	N 45 13 W	1,472	Warrior.
			S 82 54 E	N 82 54 W	1,531	Edmond.
			N 67 38 E	S 67 39 W	2,054	Dan.
4	38 45 20.25	76 18 10.74	N 32 12 W	S 32 12 E	1,292	Smith.
			S 75 22 W	N 75 22 E	1,020	Hawk.
			S 37 49 W	N 37 49 E	1,537	Dunk.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

WALNUT.

(*Harris Creek—Chart No. 33.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″ ′	° ′ ″	° ′	° ′	*Yards.*	
1	38 45 20.25	76 18 10.74	N 32 12 W	S 32 12 E	1,292	Smith.
			S 75 22 W	N 75 22 E	1,020	Hawk.
			S 37 49 W	N 37 49 E	1,537	Dunk.
2	38 45 39.46	76 18 54.80	S 45 13 E	N 45 13 W	1,472	Warrior.
			S 82 54 E	N 82 54 W	1,531	Edmond.
			N 67 38 E	S 67 39 W	2,054	Dan.
3	38 45 52.64	76 18 36.85	S 12 31 W	N 12 31 E	1,382	Hawk.
			S 58 47 E	N 58 47 W	1,223	Edmond.
			N 76 41 E	S 76 41 W	1,465	Dan.
4	38 45 53.40	76 17 53.60	N 11 49 E	S 11 49 W	775	Vine.
			S 88 43 W	N 88 42 E	1,142	Smith.
			S 20 46 W	N 20 46 E	1,612	Warrior.

SMITH POINT.

(*Harris Creek—Chart No. 33.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 45 52.64	76 18 36.85	S 12 31 W	N 12 31 E	1,382	Hawk.
			S 58 47 E	N 58 47 W	1,223	Edmond.
			N 76 41 E	S 76 41 W	1,465	Dan.
2	38 46 14.47	76 18 17.00	S 21 33 W	N 21 33 E	2,243	Hawk.
			N 20 50 E	S 20 50 W	1,465	Edmond.
			S 66 10 E	N 66 09 W	986	Dan.
3	38 46 00.00	76 17 59.00	S 2 59 E	N 2 59 W	884	Edmond.
			N 78 11 E	S 78 11 W	436	Dan.
			N 34 33 E	S 34 33 W	1,215	Cummings.
4	38 45 53.40	76 17 53.60	N 11 49 E	S 11 49 W	775	Vine.
			S 88 43 W	N 88 42 E	1,142	Smith.
			S 20 46 W	N 20 46 E	1,612	Warrior.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

LITTLE NECK.

(*Harris Creek—Charts Nos. 33 and 34.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 45 53.40	76 17 53.60	N 11 49 E	S 11 49 W	775	Vine.
			S 88 43 W	N 88 42 E	1,142	Smith.
			S 20 46 W	N 20 46 E	1,612	Warrior.
2	38 46 00.00	76 17 59.00	S 2 59 E	N 2 59 W	884	Edmond.
			N 78 11 E	S 78 11 W	436	Dan.
			N 34 33 E	S 34 33 W	1,215	Cummings.
3	38 46 15.90	76 17 47.59	S 58 54 W	N 58 54 E	1,519	Smith.
			S 15 43 E	N 15 43 W	464	Dan.
			S 84 29 E	N 84 28 W	899	Fox.
4	38 46 13.74	76 17 35.30	N 6 45 E	S 6 45 W	541	Cummings.
			N 77 21 W	S 77 21 E	332	Vine.
			S 28 00 W	N 28 00 E	423	Dan.

RABBIT ISLAND.

(*Harris Creek—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 46 13.74	76 17 35.30	N 6 45 E	S 6 45 W	541	Cummings.
			N 77 21 W	S 77 21 E	332	Vine.
			S 28 00 W	N 28 00 E	423	Dan.
2	38 46 25.28	76 17 24.96	S 31 44 W	N 31 43 E	898	Dan.
			S 36 26 E	N 36 26 W	501	Fox.
			S 74 08 E	N 74 07 W	843	Koot.
3	38 46 23.38	76 17 00.15	S 46 32 W	N 46 31 E	492	Fox.
			S 43 10 E	N 43 10 W	229	Koot.
			N 85 12 E	S 85 12 W	886	Bozman.
4	38 46 16.70	76 17 00.10	N 31 01 E	S 31 01 W	510	Grace.
			N 34 32 W	S 34 32 E	447	Rabbit.
			S 88 46 W	N 88 46 E	1,254	Vine.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

DAWSON.

(Outer Choptank River—Chart No. 34.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 39 58.32	76 15 41.88	N 41 38 E	S 41 39 W	4,344	Roys
			N 11 48 W	S 11 48 E	4,356	Nelson 3.
			N 63 59 W	S 64 01 E	6,387	Bar
2	38 40 14.76	76 17 01.00	N 17 56 E	S 17 56 W	3,899	Nelson 3
			N 58 21 W	S 58 23 E	4,286	Bar.
			S 87 03 W	N 87 01 E	5,394	Black.
3	38 40 57.06	76 17 00.88	N 27 40 E	S 27 41 W	2,578	Nelson 3.
			N 77 19 W	S 77 20 E	3,743	Bar
			S 72 27 W	N 72 25 E	5,653	Black.
4	38 40 57.08	76 16 09.60	N 70 50 E	S 70 52 W	3,831	Roys.
			N 03 58 W	S 03 58 E	2,289	Nelson 3.
			N 80 41 W	S 80 43 E	5,073	Bar.

FRANCE.

(Outer Choptank River—Chart No. 34.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 40 57.06	76 17 00.88	N 27 40 E	S 27 41 W	2,578	Nelson 3.
			N 77 19 W	S 77 20 E	3,743	Bar.
			S 72 27 W	N 72 25 E	5,653	Black.
2	38 41 54.74	76 17 00.72	N 74 10 E	S 74 11 W	1,240	Nelson 3.
			N 31 48 W	S 31 48 E	2,677	Change 1010.
			S 72 55 W	N 72 54 E	3,824	Bar.
3	38 41 55.12	76 16 10.76	S 79 09 E	N 79 08 W	3,716	Roys.
			N 21 22 W	S 21 23 E	349	Nelson 3.
			S 77 08 W	N 77 06 E	5,104	Bar.
4	38 40 57.08	76 16 09.60	N 70 50 E	S 70 52 W	3,831	Roys.
			N 03 58 W	S 03 58 E	2,289	Nelson 3.
			N 80 41 W	S 80 43 E	5,073	Bar.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

GREAT MARSH.

(Outer Choptank River—Chart No. 34.)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 41 54.74	76 17 00.72	N 74 10 E	S 74 11 W	1,240	Nelson 3.
			N 31 48 W	S 31 48 E	2,677	Change 1910.
			S 72 55 W	N 72 54 E	3,824	Bar.
2	38 42 07.41	76 17 16.12	S 86 49 E	N 86 48 W	1,602	Nelson 3.
			N 28 30 W	S 28 31 E	2,103	Change 1910.
			S 64 30 W	N 64 28 E	3,599	Bar.
3	38 42 44.90	76 17 04.80	N 65 52 W	S 65 52 E	1,427	Change 1910.
			S 51 35 W	N 51 33 E	4,529	Bar.
			S 43 52 E	N 43 51 W	1,877	Nelson 3.
4	38 42 27.90	76 16 37.15	N 60 22 W	S 60 23 E	2,339	Change 1910.
			S 62 21 W	N 62 19 E	4,830	Bar.
			S 36 10 E	N 36 09 W	967	Nelson 3.
5	38 41 55.12	76 16 10.76	S 79 09 E	N 79 08 W	3,716	Roys.
			N 21 22 W	S 21 23 E	340	Nelson 3.
			S 77 08 W	N 77 06 E	5,104	Bar.

LONG POINT WOODS.

(Broad Creek—Chart No. 34.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 41 44.94	76 15 20.76	S 82 06 E	N 82 05 W	2,591	Roys.
			N 41 17 E	S 41 17 W	2,732	Peary.
			N 61 05 W	S 61 06 E	1,383	Nelson 3.
2	38 42 29.78	76 16 05.00	S 61 53 E	N 61 52 W	3,965	Roys.
			N 78 48 E	S 78 49 W	2,786	Peary.
			N 16 07 W	S 16 07 E	1,130	Annette.
3	38 42 57.80	76 16 04.68	S 9 09 W	N 9 09 E	1,811	Nelson 3.
			N 81 55 E	S 81 56 W	2,633	Cook.
			N 2 20 W	S 2 20 E	1,140	Myrtle.
4	38 42 38.10	76 15 41.50	N 62 35 E	S 62 35 W	2,247	Cook.
			N 49 15 W	S 49 16 E	1,234	Annette.
			S 38 42 W	N 38 42 E	1,440	Nelson 3.
5	38 41 54.64	76 15 07.08	S 70 51 E	N 70 50 W	2,082	Roys.
			N 34 52 E	S 34 53 W	2,104	Peary.
			N 79 19 W	S 79 20 E	1,843	Nelson 3.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

GREAT BAR.

(*Broad Creek—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 42 16.56	76 14 46.24	S 44 53 E	N 44 52 W	2,007	Roys.
			N 33 28 E	S 33 28 W	1,183	Peary.
			N 57 24 W	S 57 25 E	2,842	Annette.
2	38 42 38.10	76 15 41.50	N 62 35 E	S 62 35 W	2,247	Cook.
			N 49 15 W	S 49 16 E	1,234	Annette.
			S 38 42 W	N 38 42 E	1,440	Nelson 3.
3	38 43 23.66	76 14 58.42	N 27 22 W	S 27 23 E	1,547	Coal.
			N 81 35 W	S 81 36 E	1,816	Myrtle.
			S 70 34 W	N 70 33 E	2,198	Annette.
4	38 43 26.45	76 14 27.40	N 50 06 W	S 50 06 E	1,996	Coal.
			N 86 15 W	S 86 16 E	2,621	Myrtle.
			S 46 04 W	N 46 03 E	3,970	Nelson 3.
5	38 42 40.56	76 14 45.00	S 31 48 E	N 31 47 W	2,625	Roys.
			N 74 00 E	S 74 00 W	645	Peary.
			N 27 48 E	S 27 48 W	1,076	Cook.
6	38 42 25.02	76 14 37.76	S 54 40 E	N 54 39 W	1,908	Irish.
			N 31 24 E	S 31 24 W	822	Peary.
			N 64 33 W	S 64 34 E	2,900	Annette.

BROWN.

(*Broad Creek—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 43 06.34	76 15 50.75	N 25 59 W	S 25 59 E	945	Myrtle.
			S 77 59 W	N 77 58 E	705	Annette.
			S 17 32 W	N 17 32 E	2,177	Nelson 3.
2	38 43 21.80	76 16 15.06	S 46 06 E	N 46 04 W	5,223	Roys.
			S 81 21 E	N 81 20 W	2,914	Cook.
			N 61 28 E	S 61 30 W	3,449	Ross.
3	38 43 57.80	76 15 12.66	S 36 43 E	N 36 43 W	2,061	Cook.
			N 72 35 E	S 72 36 W	1,448	Ross.
			N 23 04 E	S 23 04 W	2,122	Bald.
4	38 43 37.40	76 15 17.94	N 12 08 W	S 12 08 E	932	Coal.
			S 81 15 W	N 81 14 E	1,296	Myrtle.
			S 52 31 W	N 52 30 E	1,962	Annette.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

DEEP NECK.

(*Broad Creek—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 43 23.66	76 14 58.42	N 27 22 W	S 27 23 E	1,547	Coal.
			N 81 35 W	S 81 36 E	1,816	Myrtle.
			S 70 34 W	N 70 33 E	2,198	Annette.
2	38 43 37.40	76 15 17.94	N 12 08 W	S 12 08 E	932	Coal.
			S 81 15 W	N 81 14 E	1,296	Myrtle.
			S 52 31 W	N 52 30 E	1,962	Annette.
3	38 43 57.80	76 15 12.66	S 36 43 E	N 36 43 W	2,061	Cook.
			N 72 35 E	S 72 36 W	1,448	Ross.
			N 23 04 E	S 23 04 W	2,122	Bald.
4	38 44 31.00	76 14 56.40	S 54 14 E	N 54 13 W	1,173	Ross.
			N 25 46 E	S 25 46 W	925	Bald.
			N 35 55 W	S 35 55 E	1,063	Skinner.
5	38 44 40.66	76 14 31.02	N 62 05 E	S 62 06 W	1,190	Willey.
			N 27 54 W	S 27 54 E	573	Bald.
			S 78 55 W	N 78 54 E	1,540	Tobe.
6	38 44 11.72	76 14 28.66	N 32 51 E	S 32 51 W	1,825	Willey.
			N 12 34 W	S 12 34 E	1,519	Bald.
			N 66 38 W	S 66 39 E	1,715	Tobe.
7	38 43 26.45	76 14 27.40	N 50 06 W	S 50 06 E	1,996	Coal.
			N 86 15 W	S 86 16 E	2,621	Myrtle.
			S 46 04 W	N 46 03 E	3,970	Nelson 3.

MULBERRY POINT.

(*Broad Creek—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 31.00	76 14 56.40	S 54 14 E	N 54 13 W	1,173	Ross.
			N 25 46 E	S 25 46 W	925	Bald.
			N 35 55 W	S 35 55 E	1,063	Skinner.
2	38 44 45.90	76 15 25.00	S 76 30 W	N 76 30 E	911	Fairbanks.
			S 10 16 W	N 10 16 E	480	Tobe.
			S 55 10 E	N 55 09 W	2,081	Ross.
3	38 44 54.54	76 15 23.72	S 61 16 W	N 61 16 E	1,048	Fairbanks.
			S 8 53 W	N 8 53 E	773	Tobe.
			S 48 30 E	N 48 30 W	2,235	Ross.
4	38 44 47.98	76 14 38.43	S 67 34 W	N 67 34 E	1,424	Tobe.
			S 20 47 E	N 20 47 W	1,346	Ross.
			S 57 13 E	N 57 12 W	1,591	Cedar.
5	38 44 40.66	76 14 31.02	N 62 05 E	S 62 06 W	1,190	Willey.
			N 27 54 W	S 27 54 E	573	Bald.
			S 78 55 W	N 78 54 E	1,540	Tobe.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

BROAD CREEK MIDDLEGROUND.

(*Broad Creek—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 11.72	76 14 28.66	N 32 51 E	S 32 51 W	1,825	Willey.
			N 12 34 W	S 12 34 E	1,519	Bald.
			N 66 38 W	S 66 39 E	1,715	Tobe.
2	38 44 40.66	76 14 31.02	N 62 05 E	S 62 06 W	1,190	Willey.
			N 27 54 W	S 27 54 E	573	Bald.
			S 78 55 W	N 78 54 E	1,540	Tobe.
3	38 44 46.36	76 13 55.44	S 28 39 W	N 28 38 E	1,372	Ross.
			S 14 05 E	N 14 05 W	832	Cedar.
			S 74 22 E	N 74 21 W	1,822	Spencer.
4	38 44 22.42	76 13 47.77	N 4 24 W	S 4 23 E	1,177	Willey.
			N 51 30 W	S 51 30 E	1,802	Bald.
			S 65 14 W	N 65 14 E	947	Ross.

WELL POINT.

(*Broad Creek—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 31.88	76 15 28.24	S 68 15 E	N 68 14 W	1,931	Ross.
			N 14 39 E	S 14 39 W	860	Skinner.
			N 26 21 W	S 26 21 E	734	Pine.
2	38 44 43.80	76 15 36.14	S 12 05 W	N 12 05 E	571	Wire.
			S 27 26 E	N 27 26 W	453	Tobe.
			N 44 47 E	S 44 47 W	605	Skinner.
3	38 44 47.90	76 15 38.16	S 5 25 W	N 5 25 E	699	Wire.
			S 25 52 E	N 25 51 W	600	Tobe.
			N 58 44 E	S 58 44 W	560	Skinner.
4	38 45 02.62	76 15 35.10	S 9 55 E	N 9 55 W	1,052	Tobe.
			S 62 44 E	N 62 44 W	448	Skinner.
			N 38 00 E	S 38 00 W	713	Cabin.
5	38 44 35.80	76 15 24.82	N 59 48 E	S 59 49 W	1,334	Bald.
			N 10 18 E	S 10 18 W	711	Skinner.
			N 38 22 W	S 38 22 E	670	Pine.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

POMPES.

(*Broad Creek—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 37.46	76 15 57.38	S 37 56 W	N 37 56 E	518	Blanco.
			S 52 05 E	N 52 05 W	560	Wire.
			S 76 16 E	N 76 15 W	793	Tobe.
2	38 44 44.24	76 15 53.42	S 33 35 W	N 33 34 E	764	Blanco.
			S 30 29 E	N 30 29 W	665	Wire.
			S 57 55 E	N 57 55 W	785	Tobe.
3	38 44 47.90	76 15 38.16	S 5 25 W	N 5 25 E	699	Wire.
			S 25 52 E	N 25 51 W	600	Tobe.
			N 58 44 E	S 58 44 W	560	Skinner.
4	38 44 43.80	76 15 36.14	S 12 05 W	N 12 05 E	571	Wire.
			S 27 26 E	N 27 26 W	453	Tobe.
			N 44 47 E	S 44 47 W	605	Skinner.

COOPERS POINT.

(*Broad Creek—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 24.64	76 16 06.39	N 82 36 E	S 82 36 W	686	Wire.
			N 22 24 E	S 22 24 W	546	Fairbanks.
			N 49 46 W	S 49 46 E	673	Caulk.
2	38 44 36.58	76 16 24.00	S 59 27 W	N 59 27 E	552	Ned.
			S 45 28 E	N 45 27 W	540	Blanco.
			N 81 24 E	S 81 24 W	681	Fairbanks.
3	38 44 42.40	76 16 12.09	S 58 53 W	N 58 53 E	923	Ned.
			S 6 58 E	N 6 58 W	580	Blanco.
			S 58 24 E	N 58 24 W	974	Wire.
4	38 44 39.60	76 16 04.04	S 69 07 W	N 69 07 E	1,073	Ned.
			S 16 30 W	N 16 30 E	501	Blanco.
			S 56 01 E	N 56 01 W	745	Wire.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

JUDYS POINT.

(Broad Creek—Chart No. 34.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 28.26	76 16 38.26	S 82 39 E	N 82 39 W	768	Blanco.
			S 88 44 E	N 88 43 W	1,521	Wire.
			N 46 23 E	S 46 23 W	453	Caulk.
2	38 44 29.01	76 16 48.78	S 81 58 E	N 81 58 W	185	Ned.
			S 83 14 E	N 83 13 W	1,047	Blanco.
			N 64 38 E	S 64 38 W	670	Caulk.
3	38 44 37.06	76 16 46.79	S 23 05 E	N 23 05 W	323	Ned.
			S 68 11 E	N 68 11 W	1,063	Blanco.
			N 88 22 E	S 88 22 W	553	Caulk.
4	38 44 35.92	76 16 36.46	S 29 32 W	N 29 32 E	297	Ned.
			S 63 28 E	N 63 28 W	798	Blanco.
			N 79 03 E	S 79 03 W	285	Caulk.

BRUSHY POINT.

(Broad Creek—Chart No. 34.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 45 02.62	76 15 35.10	S 9 55 E	N 9 55 W	1,052	Tobe.
			S 62 44 E	N 62 44 W	448	Skinner.
			N 38 00 E	S 38 00 W	713	Cabin.
2	38 45 03.90	76 15 42.63	S 19 23 E	N 19 23 W	1,145	Tobe.
			S 67 25 E	N 67 24 W	647	Skinner.
			N 50 53 E	S 50 53 W	822	Cabin.
3	38 45 12.80	76 15 36.64	S 9 08 E	N 9 08 W	1,398	Tobe.
			S 38 41 E	N 38 40 W	702	Skinner.
			N 65 32 E	S 65 32 W	527	Cabin.
4	38 45 14.68	76 15 28.24	S 22 32 W	N 22 32 E	851	Pine.
			S 19 33 E	N 19 33 W	650	Skinner.
			N 58 57 E	S 58 58 W	301	Cabin.

WILLEYS ISLAND FLATS.

(Broad Creek—Chart No. 34.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 46.36	76 13 55.44	S 28 39 W	N 28 38 E	1,372	Ross.
			S 14 05 E	N 14 05 W	832	Cedar
			S 74 22 E	N 74 21 W	1,822	Spencer.
2	38 45 04.60	76 14 27.20	S 75 17 E	N 75 17 W	983	Willey.
			N 57 53 E	S 57 53 W	1,005	Ray.
			N 17 20 E	S 17 20 W	1,445	Grave.
3	38 45 18.92	76 14 25.74	S 51 14 E	N 51 14 W	1,170	Willey.
			N 88 38 E	S 88 39 W	814	Ray.
			N 23 37 E	S 23 37 W	978	Grave.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

WILLEYS ISLAND FLATS—Continued.

(*Broad Creek—Chart No. 34*)—Continued.

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
4	38 45 19.58	76 14 38.14	S 58 40 E	N 58 39 W	1,452	Willey.
			N 88 32 E	S 88 32 W	1,141	Ray.
			N 39 27 E	S 39 27 W	1,132	Grave.
5	38 45 34.03	76 14 32.14	S 5 29 E	N 5 29 W	798	Rose.
			S 64 59 E	N 64 59 W	1,084	Ray.
			N 55 26 E	S 55 26 W	681	Grave.
6	38 45 40.86	76 14 39.10	N 78 08 E	S 78 08 W	761	Grave.
			N 30 24 E	S 30 24 W	589	Royal.
			N 33 48 W	S 33 48 E	1,001	Mars.
7	38 45 54.63	76 14 37.10	N 58 55 W	S 58 55 E	712	Mars.
			S 65 37 W	N 65 37 E	524	Bengal.
			S 10 41 E	N 10 41 W	706	Gram.
8	38 45 45.50	76 14 10.90	N 51 44 W	S 51 44 E	569	Royal.
			S 55 26 W	N 55 26 E	681	Gram.
			S 26 29 E	N 26 29 W	944	Ray.
9	38 45 14.38	76 13 58.24	N 53 29 W	S 53 30 E	1,113	Gram.
			S 80 51 W	N 80 51 E	827	Rose.
			S 15 10 W	N 15 09 E	2,227	Ross.

HOLLAND POINT.

(*Broad Creek—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 45 49.42	76 14 52.34	N 71 15 E	S 71 16 W	684	Royal.
			N 20 53 W	S 20 53 E	582	Mars.
			N 51 23 W	S 51 24 E	1,115	Woodill.
2	38 45 54.52	76 15 12.46	N 87 40 E	S 87 41 W	1,180	Royal.
			N 41 06 E	S 41 06 W	492	Mars.
			N 33 01 W	S 33 02 E	626	Woodill.
3	38 46 10.07	76 15 25.37	S 23 46 E	N 23 46 W	575	Eastman.
			S 77 03 E	N 77 03 W	682	Mars.
			N 22 52 E	S 22 53 W	616	Venus.
4	38 46 24.96	76 15 24.56	S 44 29 E	N 44 29 W	919	Mars.
			N 73 27 E	S 73 27 W	227	Venus.
			N 2 06 W	S 2 06 E	949	Willis.
5	38 46 28.39	76 15 33.69	S 19 35 E	N 19 35 W	656	Woodill.
			S 83 42 E	N 83 41 W	461	Venus.
			N 66 00 E	S 66 00 W	428	Neptune.
6	38 46 32.30	76 15 24.60	N 44 40 W	S 44 40 E	605	Marion.
			S 61 13 W	N 61 13 E	273	Delta.
			S 1 33 W	N 1 33 E	750	Woodill.
7	38 46 05.53	76 15 00.19	S 49 14 W	N 49 14 E	572	Eastman.
			S 12 43 E	N 12 43 W	599	Bengal.
			S 69 17 E	N 69 16 W	914	Royal.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

HARRISON.

(*Broad Creek—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 46 41.52	76 15 34.40	S 2 25 E	N 2 25 W	443	Delta.
			S 56 39 E	N 56 39 W	489	Neptune.
			N 29 58 E	S 29 58 W	451	Willis.
2	38 46 47.08	76 15 30.33	S 75 58 W	N 75 57 E	282	Marion.
			S 33 26 E	N 33 26 W	548	Neptune.
			N 30 06 E	S 30 06 W	234	Willis.
3	38 46 41.62	76 15 25.40	N 74 01 W	S 74 01 E	420	Marion.
			S 26 08 W	N 26 08 E	496	Delta.
			S 32 10 E	N 32 10 W	322	Neptune.

CEDAR POINT.

(*Broad Creek—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 15.78	76 13 22.37	S 69 00 E	N 69 00 W	1,417	Marsh.
			N 58 29 E	S 58 29 W	1,035	Spencer.
			N 01 46 W	S 01 46 E	1,524	Hopkins.
2	38 44 22.42	76 13 47.77	N 4 24 W	S 4 23 E	1,177	Willey.
			N 51 30 W	S 51 30 E	1,802	Bald.
			S 65 14 W	N 65 14 E	947	Ross.
3	38 44 46.36	76 13 55.44	S 28 39 W	N 28 38 E	1,372	Ross.
			S 14 05 E	N 14 05 W	852	Cedar.
			S 74 22 E	N 74 21 W	1,822	Spencer.
4	38 44 19.25	76 12 54.44	S 43 09 E	N 43 08 W	856	Marsh.
			N 18 44 E	S 18 44 W	447	Spencer.
			N 29 09 W	S 29 10 E	1,611	Hopkins.

DRUM POINT.

(*Broad Creek—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 19.25	76 12 54.44	S 43 09 E	N 43 08 W	856	Marsh.
			N 18 44 E	S 18 44 W	447	Spencer.
			N 29 09 W	S 29 10 E	1,611	Hopkins.
2	38 44 46.36	76 13 55.44	S 28 39 W	N 28 38 E	1,372	Ross.
			S 14 05 E	N 14 05 W	852	Cedar.
			S 74 22 E	N 74 21 W	1,822	Spencer.
3	38 44 53.66	76 13 09.80	N 83 47 W	S 83 47 E	1,099	Willey.
			S 43 35 W	N 43 35 E	1,454	Cedar.
			S 29 03 E	N 29 02 W	2,042	Marsh.
	Thence from corner No. 3 along the mean low-water line of the shore to corner No. 4, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
4	38 44 31.81	76 12 49.00	N 43 22 W	S 43 22 E	1,352	Hopkins.
			S 78 28 W	N 78 28 E	1,585	Cedar.
			S 22 51 E	N 22 51 W	1,137	Marsh.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

JOE HARRIS FLATS.

(*Broad Creek—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 43 50.78	76 12 49.30	N 53 18 E	S 53 19 W	561	Marsh.
			N 0 20 E	S 0 20 W	1,386	Spencer.
			N 21 15 W	S 21 15 E	2,539	Hopkins.
2	38 44 00.20	76 13 02.34	N 88 44 E	S 88 44 W	795	Marsh.
			N 18 17 E	S 18 18 W	1,123	Spencer.
			N 15 42 W	S 15 42 E	2,128	Hopkins.
3	38 44 19.25	76 12 54.44	S 43 09 E	N 43 08 W	856	Marsh.
			N 18 44 E	S 18 44 W	447	Spencer.
			N 29 09 W	S 29 10 E	1,611	Hopkins.
4	38 44 00.72	76 12 32.27	N 66 24 E	S 66 24 W	932	Clark.
			N 24 13 E	S 24 13 W	749	Marshall.
			S 22 51 E	N 22 51 W	1,137	Spencer.

Thence from corner No. 4 along the mean low-water line of the shore to corner No. 1, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.

PIN CUSHION.

(*Broad Creek—Chart No. 34.*

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 43 58.18	76 12 14.41	N 39 45 E	S 39 45 W	596	Clark.
			N 12 04 W	S 12 05 E	786	Marshall.
			N 38 51 W	S 38 52 E	1,457	Spencer.
2	38 44 17.84	76 12 30.00	N 46 48 W	S 46 49 E	688	Spencer.
			S 5 56 W	N 5 56 E	580	Marsh.
			S 29 12 E	N 29 12 W	974	Holly.
3	38 44 20.18	76 12 28.20	N 54 29 W	S 54 29 E	675	Spencer.
			S 9 18 W	N 9 18 E	'665	Marsh.
			S 24 43 E	N 24 43 W	1,024	Holly.
4	38 44 08.74	76 12 04.52	N 56 29 W	S 56 30 E	1,409	Spencer.
			S 69 45 W	N 69 45 E	781	Marsh.
			S 19 58 W	N 19 58 E	579	Holly.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

WILLEYS ISLAND.

(Broad Creek—Chart No. 34.)

Corner of bar	Latitude	Longitude	True bearing: Forward	True bearing: Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 56.38	76 13 44.48	S 60 31 E	N 60 30 W	1,684	Spencer.
			N 73 57 E	S 73 57 W	559	Hopkins.
			N 2 54 E	S 2 54 W	864	Judge.
2	38 45 11.68	76 13 45.60	S 57 27 E	N 57 27 W	671	Hopkins.
			N 61 30 E	S 61 30 W	534	Taft.
			N 1 35 E	S 1 35 W	1,129	Harper.
3	38 45 21.40	76 13 37.45	S 27 00 E	N 27 00 W	773	Hopkins.
			S 73 55 E	N 73 55 W	264	Taft.
			N 12 57 W	S 12 57 E	821	Harper.
4	38 45 26.42	76 13 46.56	S 34 35 E	N 34 34 W	1,043	Hopkins.
			S 63 52 E	N 63 52 W	550	Taft.
			N 5 07 E	S 5 07 W	634	Harper.
5	38 45 36.14	76 13 34.96	N 69 17 W	S 69 18 E	621	Thelma.
			S 23 29 W	N 23 29 E	521	Judge.
			S 18 15 E	N 18 15 W	600	Taft.
6	38 45 33.40	76 13 29.96	N 66 22 W	S 66 22 E	778	Thelma.
			S 41 19 W	N 41 19 E	514	Judge.
			S 6 41 E	N 6 41 W	481	Taft.
7	38 44 56.96	76 13 33.60	N 16 06 W	S 16 06 E	878	Judge.
			N 89 03 W	S 89 03 E	404	Willey.
			S 17 49 W	N 17 49 E	1,224	Cedar.

FOX.

(Broad Creek—Chart No. 34.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 45 57.50	76 13 42.78	S 5 56 W	N 5 56 E	419	Harper.
			N 66 25 E	S 66 25 W	226	Ansley.
			N 14 13 E	S 14 13 W	553	Beverly.
2	38 46 04.16	76 13 42.68	S 4 06 W	N 4 06 E	643	Harper.
			S 56 52 E	N 56 52 W	245	Ansley.
			N 48 23 E	S 48 23 W	504	Samuel.
3	38 46 08.04	76 13 36.80	S 46 30 W	N 46 30 E	381	Elmore.
			S 10 40 E	N 10 40 W	269	Ansley.
			N 47 23 E	S 47 23 W	302	Samuel.
4	38 46 05.96	76 13 31.08	N 14 28 E	S 14 28 W	283	Samuel.
			N 34 30 W	S 34 30 E	305	Beverly.
			S 65 49 W	N 65 49 E	468	Elmore.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

ROYSTON.

(*Outer Choptank River—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 40 08.08	76 14 26.04	N 87 14 E	S 87 15 W	3,832	Benoni 2.
			N 16 51 E	S 16 52 W	3,041	Roys.
			N 36 21 W	S 36 22 E	4,884	Nelson 3.
2	38 41 12.32	76 15 33.00	N 74 19 E	S 74 20 W	2,754	Roys.
			N 32 28 W	S 32 28 E	2,096	Nelson 3.
			N 87 04 W	S 87 06 E	5,982	Bar.
3	38 42 06.98	76 14 28.92	S 69 29 E	N 69 28 W	1,413	Irish.
			N 8 27 E	S 8 27 W	1,324	Peary.
			S 88 29 W	N 88 28 E	2,819	Nelson 3.
4	38 42 05.74	76 14 09.20	S 89 26 W	N 89 24 E	3,340	Nelson 3.
			S 22 28 E	N 22 27 W	1,144	Roys.
			S 60 30 E	N 60 30 W	921	Irish.
5	38 41 48.26	76 13 52.96	N 81 36 W	S 81 38 E	3,810	Nelson 3.
			S 00 56 E	N 00 56 W	467	Roys.
			N 69 53 E	S 69 54 W	397	Irish.
6	38 41 39.16	76 13 56.66	N 46 41 E	S 46 41 W	646	Irish.
			N 16 18 W	S 16 19 E	2,342	Peary.
			N 76 46 W	S 76 48 E	3,771	Nelson 3.
7	38 40 44.14	76 13 52.40	S 70 41 E	N 70 39 W	3,113	Benoni 2.
			N 00 14 W	S 00 14 E	1,694	Roys.
			N 54 18 W	S 54 20 E	4,659	Nelson 3.

IRISH CREEK.

(*Outer Choptank River—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 39 44.96	76 13 11.10	S 76 23 E	N 76 23 W	3,412	Choptank River Light.
			N 62 23 E	S 62 23 W	2,083	Benoni 2.
			N 16 35 W	S 16 35 E	3,851	Roys.
2	38 40 26.10	76 13 50.38	S 81 41 E	N 81 40 W	2,916	Benoni 2.
			N 1 30 W	S 1 30 E	2,304	Roys.
			N 49 05 W	S 49 06 E	5,079	Nelson 3.
3	38 40 44.14	76 13 52.40	S 70 41 E	N 70 39 W	3,113	Benoni 2.
			N 00 14 W	S 00 14 E	1,694	Roys.
			N 54 18 W	S 54 20 E	4,659	Nelson 3.
4	38 41 16.80	76 13 21.94	N 11 24 E	S 11 24 W	1,142	Creek.
			N 53 51 W	S 53 51 E	1,006	Roys.
			N 70 36 W	S 70 37 E	4,865	Nelson 3.
5	38 41 52.04	76 13 16.44	N 24 04 E	S 24 05 W	772	Ila.
			N 89 09 W	S 89 09 E	593	Irish.
			S 58 09 W	N 58 09 E	1,128	Roys.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

IRISH CREEK—Continued.

(*Outer Choptank River—Chart No. 34*)—Continued.

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
6	38 41 19.58	76 13 04.64	N 12 43 W	S 12 43 E	1,051	Creek.
			N 21 18 W	S 21 18 E	2,003	Pont.
			N 68 31 W	S 68 31 E	1,365	Roys.
7	38 41 00.00	76 13 03.46	N 8 51 W	S 8 52 E	1,706	Creek.
			N 16 43 W	S 16 43 E	2,638	Pont.
			N 48 16 W	S 48 17 E	1,743	Roys.
8	38 40 41.02	76 12 44.32	S 50 55 E	N 50 54 W	1,467	Benoni 2.
			N 18 17 W	S 18 17 E	2,450	Creek.
			N 45 06 W	S 45 07 E	2,550	Roys.
9	38 40 18.30	76 12 52.02	S 55 48 E	N 55 47 W	3,403	Choptank River Light.
			S 83 16 E	N 83 15 W	1,352	Benoni 2.
			N 31 59 W	S 32 00 E	3,026	Roys.

CHOPTANK LUMPS.

(*Outer Choptank River—Charts Nos. 34 and 37.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 39 08.00	76 13 46.22	N 83 52 E	S 83 54 W	4,273	Choptank River Light.
			N 51 26 E	S 51 27 W	3,549	Benoni 2.
			N 1 59 W	S 1 59 E	4,940	Roys.
	Thence along county boundary as delineated on Charts Nos. 34 and 37 to corner No. 2.					
2	38 39 58.32	76 15 41.88	N 41 38 E	S 41 39 W	4,344	Roys.
			N 11 48 W	S 11 48 E	4,356	Nelson 3.
			N 63 59 W	S 64 01 E	6,387	Bar.
3	38 39 43.30	76 13 45.60	S 80 10 E	N 80 08 W	4,295	Choptank River Light.
			N 69 41 E	S 69 42 W	2,941	Benoni 2.
			N 2 51 W	S 2 51 E	3,751	Roys.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

BENONI.

(Outer Choptank River—Charts Nos. 34 and 37.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 38 48.40	76 11 45.22	S 49 58 E	N 49 57 W	3,479	Castle.
			N 43 09 E	S 43 10 W	1,533	Choptank River Light.
			N 8 24 W	S 8 24 E	2,905	Benoni 2.
	Thence along county boundary as delineated on chart No. 37 to corner No. 2.					
2	38 39 05.04	76 13 38.98	S 68 56 W	N 68 54 E	6,512	Chef.
			S 16 26 W	N 16 25 E	2,764	Dot.
			N 82 11 E	S 82 13 W	4,094	Choptank River Light.
3	38 39 44.96	76 13 11.10	S 76 23 E	N 76 23 W	3,412	Choptank River Light.
			N 62 23 E	S 62 23 W	2,083	Benoni 2.
			N 16 35 W	S 16 35 E	3,851	Roys.
4	38 40 18.30	76 12 52.02	S 55 48 E	N 55 47 W	3,403	Choptank River Light.
			S 83 16 E	N 83 15 W	1,352	Benoni 2.
			N 31 59 W	S 32 00 E	3,026	Roys.
5	38 39 45.15	76 12 00.66	S 61 23 E	N 61 22 W	1,660	Choptank River Light.
			N 17 40 E	S 17 40 W	3,275	Mutton.
			N 00 57 W	S 00 57 E	959	Benoni 2.

LIGHTHOUSE.

(Outer Choptank River—Charts Nos. 34, 35, and 37.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 38 48.40	76 11 45.22	S 49 58 E	N 49 57 W	3,479	Castle.
			N 43 09 E	S 43 10 W	1,533	Choptank River Light.
			N 8 24 W	S 8 24 E	2,905	Benoni 2.
2	38 39 45.15	76 12 00.66	S 61 23 E	N 61 22 W	1,660	Choptank River Light.
			N 17 40 E	S 17 40 W	3,275	Mutton.
			N 0 57 W	S 0 57 E	959	Benoni 2.
3	38 39 42.88	76 10 50.00	S 80 11 E	N 80 11 W	2,403	Landeye.
			N 36 36 E	S 36 36 W	1,261	Boone.
			N 61 12 W	S 61 12 E	2,150	Benoni 2.
4	38 39 16.14	76 10 19.78	S 47 34 E	N 47 33 W	3,057	Chlora.
			N 72 34 E	S 72 35 W	1,645	Landeye.
			N 1 24 W	S 1 24 E	1,915	Boone.
5	38 38 48.64	76 11 18.98	S 73 27 E	N 73 25 W	3,986	Chlora.
			N 17 43 E	S 17 43 W	1 166	Choptank River Light.
			N 21 19 W	S 21 19 E	3,075	Benoni 2.
	Thence along county boundary as delineated on chart No. 37 to corner No. 1.					

BOUNDARIES OF NATURAL OYSTER BARS—continued.

BACK SHORE.

(Outer Choptank River—Charts Nos. 34, 35, and 37.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 37 52.86	76 09 25.36	N 47 35 E	S 47 36 W	1,106	Chlora.
			N 2 15 E	S 2 15 W	3,304	Landeye.
			S 64 59 W	N 64 58 E	1,538	Large Water Tank.
	Thence along county boundary as delineated on charts Nos. 34 and 35 to corner No. 2.					
2	38 38 27.80	76 10 07.48	S 2 53 E	N 2 53 W	1,544	Castle.
			S 77 23 E	N 77 22 W	1,978	Chlora.
			N 30 22 E	S 30 22 W	2,461	Landeye.
3	38 39 16.14	76 10 19.78	S 47 34 E	N 47 33 W	3,057	Chlora.
			N 72 34 E	S 72 35 W	1,645	Landeye.
			N 1 24 W	S 1 24 E	1,915	Boone.
4	38 39 42.88	76 10 50.00	S 80 11 E	N 80 11 W	2,403	Landeye.
			N 36 36 E	S 36 36 W	1,261	Boone.
			N 61 12 W	S 61 12 E	2,150	Benoni 2.
5	38 40 04.36	76 10 09.62	N 47 36 W	S 47 36 E	428	Boone.
			N 83 59 W	S 84 00 E	2,968	Benoni 2.
			S 45 43 W	N 45 42 E	2,067	Choptank River Light.
	Thence from corner No. 5 along the mean low-water line of the shore to corner No. 6, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
6	38 39 39.52	76 09 43.38	N 41 52 W	S 41 53 E	1,512	Boone.
			S 74 26 W	N 74 25 E	2,256	Choptank River Light.
			S 8 03 W	N 8 02 E	4,000	Castle.
7	38 39 25.86	76 09 21.68	N 34 54 W	S 34 54 E	744	Enter.
			S 86 59 W	N 86 58 E	2,750	Choptank River Light.
			S 17 57 W	N 17 56 E	3,680	Castle.
	Thence from corner No. 7 along the mean low-water line of the shore to corner No. 8, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
8	38 38 14.98	76 08 54.49	N 57 03 W	S 57 04 E	4,131	Choptank River Light.
			S 59 05 W	N 59 04 E	2,160	Castle.
			S 10 18 E	N 10 18 W	3,944	Toot.

BACHELOR POINT.

(Entrance Tred Avon River—Charts Nos. 34 and 35.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 39 42.88	76 10 50.00	S 80 11 E	N 80 11 W	2,403	Landeye.
			N 36 36 E	S 36 36 W	1,261	Boone.
			N 61 12 W	S 61 12 E	2,150	Benoni 2.
2	38 40 31.52	76 11 46.04	S 74 18 E	N 74 17 W	2,321	Boone.
			N 89 07 E	S 89 07 W	1,799	Bach.
			N 21 18 E	S 21 19 W	1,672	Mutton.
3	38 40 41.52	76 10 47.16	N 37 52 W	S 37 53 E	1,545	Mutton.
			S 64 19 W	N 64 19 E	2,174	Benoni 2.
			S 10 14 W	N 10 14 E	2,739	Choptank River Light.
4	38 40 11.94	76 10 33.64	S 26 25 W	N 26 25 E	1,897	Choptank River Light.
			N 84 09 E	S 84 09 W	320	Boone.
			N 9 29 W	S 9 29 E	699	Bach.
5	38 40 04.36	76 10 09.62	N 47 36 W	S 47 36 E	428	Boone.
			N 83 59 W	S 84 00 E	2,968	Benoni 2.
			S 45 43 W	N 45 42 E	2,067	Choptank River Light.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

FOX HOLE.

(Tred Avon River—Chart No. 34.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 40 31.52	76 11 46.04	S 74 18 E	N 74 17 W	2,321	Boone.
			N 89 07 E	S 89 07 W	1,799	Bach.
			N 21 18 E	S 21 19 W	1,672	Mutton.
2	38 40 34.55	76 11.49.50	S 25 16 E	N 25 16 W	2,721	Choptank River Light.
			S 87 46 E	N 87 45 W	1,892	Bach.
			N 25 39 E	S 25 40 W	1,614	Mutton.
3	38 41 34.84	76 11 00.60	S 43 53 E	N 43 52 W	1,375	First.
			S 87 38 E	N 87 38 W	646	Riverview.
			N 13 43 E	S 13 43 W	1,208	Bellevue.
4	38 41 30.20	76 10 39.72	N 11 16 W	S 11 16 E	1,357	Bellevue.
			N 64 02 W	S 64 02 E	793	Tred.
			S 69 48 W	N 69 47 E	1,220	Mutton.
5	38 41 05.50	76 10 54.52	N 15 15 W	S 15 15 E	1,224	Tred.
			N 61 24 W	S 61 24 E	860	Mutton.
			S 45 14 W	N 45 13 E	2,485	Bedoni 2.

STONE CHURCH.

(Tred Avon River—Charts Nos. 34 and 35.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 40 51.43	76 10 40.10	N 23 01 W	S 23 01 E	1,795	Tred.
			N 52 02 W	S 52 03 E	1,440	Mutton.
			S 59 16 W	N 59 15 E	2,497	Benoni 2.
2	38 41 30.20	76 10 39.72	N 11 16 W	S 11 16 E	1,357	Bellevue.
			N 64 02 W	S 64 02 E	793	Tred.
			S 69 48 W	N 69 47 E	1,220	Mutton.
3	38 41 14.64	76 10 30.56	N 15 17 W	S 15 17 E	1,924	Bellevue.
			N 85 45 W	S 85 45 E	1,391	Mutton.
			S 7 51 W	N 7 51 E	1,439	Bach.
4	38 40 52.62	76 10 27.52	N 32 40 W	S 32 41 E	1,918	Tred.
			N 60 03 W	S 60 04 E	1,694	Mutton.
			S 62 01 W	N 62 00 E	2,806	Benoni 2.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

TOWN POINT.

(Tred Avon River—Chart No. 34.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 41 30.20	76 10 39.72	N 11 16 W	S 11 16 E	1,357	Bellevue.
			N 64 02 W	S 64 02 E	793	Tred.
			S 69 48 W	N 69 47 E	1,220	Mutton.
2	38 41 34.84	76 11 00.60	S 43 53 E	N 43 52 E	1,375	First.
			S 87 38 E	N 87 38 W	646	Riverview.
			N 13 43 E	S 13 43 W	1,208	Bellevue.
3	38 41 57.86	76 10 56.40	S 24 56 W	N 24 56 E	646	Tred.
			S 33 40 E	N 33 39 W	965	Riverview.
			N 23 50 E	S 23 50 W	435	Bellevue.
4	38 41 59.18	76 10 41.36	N 27 16 E	S 27 16 W	1,437	Tar.
			N 32 06 W	S 32 06 E	417	Bellevue.
			S 46 45 W	N 46 45 E	920	Tred.
5	38 41 40.68	76 10 37.32	N 16 11 E	S 16 11 W	1,979	Tar.
			N 18 35 W	S 18 35 E	1,031	Bellevue.
			S 89 33 W	N 89 33 E	776	Tred.

STEWART ISLAND.

(Tred Avon River—Chart No. 34.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 41 39.80	76 10 14.42	N 1 35 W	S 1 34 E	1,931	Tar.
			N 42 50 W	S 42 51 E	1,374	Bellevue.
			N 89 01 W	S 89 02 E	1,382	Tred.
2	38 41 53.54	76 10 27.80	N 11 33 E	S 11 33 W	1,498	Tar.
			N 46 51 W	S 46 52 E	795	Bellevue.
			S 66 51 W	N 66 50 E	1,118	Tred.
3	38 42 11.24	76 10 15.34	N 1 56 W	S 1 56 E	872	Tar.
			S 86 39 W	N 86 38 E	911	Bellevue.
			S 52 38 W	N 52 37 E	1,708	Tred.
4	38 41 50.16	76 09 56.96	N 18 02 W	S 18 02 E	1,663	Tar.
			N 64 46 W	S 64 46 E	1,542	Bellevue.
			S 36 04 W	N 36 04 E	1,269	Weather Bureau Staff.
5	38 41 47.34	76 10 03.06	N 11 55 W	S 11 55 E	1,714	Tar.
			N 58 37 W	S 58 37 E	1,446	Bellevue.
			S 32 11 W	N 32 11 E	1,099	Weather Bureau Staff.

Thence from corner No. 5 along the mean low-water line of the shore to corner No. 1, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

GOOSE NECK.

(*Tred Avon River—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 41 53.54	76 10 27.80	N 11 33 E	S 11 33 W	1,498	Tar.
			N 46 51 W	S 46 52 E	795	Bellevue.
			S 66 51 W	N 66 50 E	1,118	Tred.
2	38 42 09.66	76 10 43.56	S 09 14 E	N 09 14 W	1,216	Riverview.
			S 76 37 E	N 76 36 W	1,517	Town.
			N 37 47 E	S 37 47 W	1,169	Tar.
3	38 42 22.78	76 10 25.04	S 10 09 W	N 10 09 E	1,669	Riverview.
			S 51 11 E	N 51 10 W	1,266	Town.
			N 25 14 E	S 25 14 W	533	Tar.
4	38 42 27.00	76 10 35.42	S 00 38 W	N 00 38 E	1,786	Riverview.
			S 53 24 E	N 53 24 W	1,570	Town.
			N 55 55 E	S 55 55 W	606	Tar.
5	38 42 38.44	76 10 27.60	S 5 57 W	N 5 57 E	2,184	Riverview.
			S 38 34 E	N 38 34 W	1,691	Town.
			S 81 01 W	N 81 01 W	297	Tar.
6	38 42 32.28	76 10 00.40	S 59 41 W	N 59 40 E	1,511	Bellevue.
			S 16 45 E	N 16 45 W	1,164	Town.
			S 36 23 E	N 36 23 W	1,428	Mud.
7	38 42 11.24	76 10 15.34	N 1 56 W	S 1 56 E	872	Tar.
			S 86 39 W	N 86 38 E	911	Bellevue.
			S 52 38 W	N 52 37 E	1,708	Tred.

PECKS POINT.

(*Tred Avon River—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 41 50.16	76 09 56.96	N 18 02 W	S 18 02 E	1,663	Tar.
			N 64 46 W	S 64 46 E	1,542	Bellevue.
			S 36 04 W	N 36 04 E	1,269	Weather Bureau Staff.
2	38 42 11.24	76 10 15.34	N 1 56 W	S 1 56 E	872	Tar.
			S 86 39 W	N 86 38 E	911	Bellevue.
			S 52 38 W	N 52 37 E	1,708	Tred.
3	38 42 32.28	76 10 00.40	S 59 41 W	N 59 40 E	1,511	Bellevue.
			S 16 45 E	N 16 45 W	1,164	Town.
			S 36 23 E	N 36 23 W	1,428	Mud.
4	38 42 18.38	76 09 47.40	S 79 52 W	N 79 52 E	1,672	Bellevue.
			S 00 37 W	N 00 37 E	645	Town.
			S 36 33 E	N 36 33 W	848	Mud.
5	38 42 19.34	76 09 34.80	S 26 43 W	N 26 43 E	759	Town.
			S 13 27 E	N 13 27 W	734	Mud.
			S 53 53 E	N 53 52 W	1,575	Golds.
6	38 41 59.24	76 09 47.71	N 0 07 W	S 0 07 E	749	Peck.
			N 77 54 W	S 77 55 E	1,676	Bellevue.
			S 56 27 W	N 56 26 E	1,537	Riverview.

Thence from corner No. 6 along the mean low-water line of the shore to corner No. 1, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

MARES POINT.

(*Tred Avon River—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 41 59.38	76 09 33.54	S 78 21 E	N 78 21 W	1,265	Golds.
			N 43 29 E	S 43 29 W	852	Tall.
			N 26 48 W	S 26 48 E	834	Peck.
2	38 42 06.20	76 09 34.06	S 68 49 E	N 68 49 W	1,343	Golds.
			N 57 01 E	S 57 02 W	715	Tall.
			N 35 09 W	S 35 09 E	630	Peck.
3	38 42 15.28	76 09 12.56	S 35 52 W	N 35 52 E	712	Mud.
			S 40 51 E	N 40 51 W	1,047	Golds.
			S 76 41 E	N 76 40 W	1,132	Borough.
4	38 42 30.20	76 08 54.60	S 09 12 E	N 09 12 W	1,311	Golds.
			S 39 21 E	N 39 21 W	988	Borough.
			N 86 10 W	S 86 10 W	1,321	Layor.
	Thence from corner No. 4 along the mean low-water line of the shore to corner No. 5, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
5	38 42 39.38	76 09 00.22	S 35 49 E	N 35 49 W	1,323	Borough.
			N 80 12 E	S 80 12 W	825	Twin.
			N 45 05 E	S 45 05 W	1,039	Weave.
6	38 42 42.98	76 08 44.00	S 16 10 E	N 16 09 W	1,243	Borough.
			N 87 11 E	S 87 11 W	384	Twin.
			N 26 38 E	S 26 38 W	685	Weave.
7	38 42 29.82	76 08 32.40	N 28 30 W	S 28 30 E	1,518	Spin.
			N 68 01 W	S 68 01 E	756	Plain.
			S 16 23 W	N 16 23 E	1,335	Golds.
8	38 41 59.60	76 09 18.92	N 78 04 E	S 78 05 W	1,297	Borough.
			N 18 08 E	S 18 08 W	643	Tall.
			N 45 58 W	S 45 58 E	1,061	Peck.

LOUIS COVE.

(*Tred Avon River—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 41 44.84	76 08 57.82	N 42 53 E	S 42 54 W	1,045	Borough.
			N 17 53 W	S 17 53 E	1,165	Tall.
			N 46 54 W	S 46 55 E	1,808	Peck.
2	38 41 52.00	76 09 21.56	N 68 37 E	S 68 37 W	1,438	Borough.
			N 17 15 E	S 17 15 W	908	Tall.
			N 34 53 W	S 34 53 E	1,212	Peck.
3	38 41 59.60	76 09 18.92	N 78 04 E	S 78 05 W	1,297	Borough.
			N 18 08 E	S 18 08 W	643	Tall.
			N 45 58 W	S 45 58 E	1,061	Peck.
4	38 42 29.82	76 08 32.40	N 28 30 W	S 28 30 E	1,518	Spin.
			N 68 01 W	S 68 01 E	756	Plain.
			S 16 23 W	N 16 23 E	1,335	Golds.
5	38 42 17.79	76 08 21.60	N 29 12 E	S 29 13 W	1,369	Toe.
			N 13 30 W	S 13 30 E	893	Twin.
			N 55 04 W	S 55 05 E	1,203	Plain.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

BAMINGS COVE.

(Tred Avon River—Chart No. 34.)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 42 29.10	76 08 12.06	N 27 05 E	S 27 05 W	914	Toe.
			N 43 24 W	S 43 24 E	670	Twin.
			N 76 04 W	S 76 04 E	1,275	Plain.
2	38 42 38.25	76 08 26.32	S 6 40 W	N 6 40 E	1,042	Borough.
			S 72 13 E	N 72 13 W	599	Layor.
			N 57 30 E	S 57 31 W	940	Toe.
3	38 42 54.24	76 08 13.62	S 16 10 W	N 16 10 E	1,639	Borough.
			S 18 02 E	N 18 02 W	760	Layor.
			S 74 14 E	N 74 14 W	863	Mistle.
4	38 42 48.86	76 08 00.52	S 76 49 W	N 76 48 E	786	Twin.
			S 11 36 W	N 11 36 E	552	Layor.
			S 83 45 E	N 83 45 W	487	Mistle.
5	38 42 33.25	76 08 06.42	N 21 37 E	S 21 37 W	725	Toe.
			N 60 21 W	S 60 21 E	702	Twin.
			S 36 44 W	N 36 44 E	1,082	Borough.

OLD HOUSE POINT.

(Tred Avon River—Chart No. 34.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 42 34.73	76 07 48.46	N 12 20 E	S 12 20 W	827	Trippe.
			N 18 25 W	S 18 25 E	657	Toe.
			N 74 40 W	S 74 41 E	1,124	Twin.
2	38 42 48.86	76 08 00.52	S 76 49 W	N 76 48 E	786	Twin.
			S 11 36 W	N 11 36 E	552	Layor.
			S 83 45 E	N 83 45 W	487	Mistle.
3	38 42 58.40	76 07 47.76	S 27 27 W	N 27 27 E	972	Layor.
			S 21 25 E	N 21 25 W	402	Mistle.
			S 76 59 E	N 76 58 W	795	Venture.
4	38 42 56.28	76 07 38.36	S 77 44 W	N 77 44 E	486	Toe
			S 18 50 W	N 18 30 E	319	Mistle.
			S 78 26 E	N 78 26 W	536	Venture.
5	38 42 39.14	76 07 35.50	S 67 38 E	N 67 37 W	846	Deux.
			N 43 45 E	S 43 45 W	651	Venture.
			N 14 04 W	S 14 04 E	681	Trippe.
6	38 42 38.80	76 07 38.40	S 70 07 E	N 70 07 W	913	Deux.
			N 47 33 E	S 47 33 W	714	Venture.
			N 7 33 W	S 7 34 E	677	Trippe.
	Thence from corner No. 6 along the mean low water line of the shore to corner No. 7, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
7	38 42 47.29	76 07 42.20	N 1 43 E	S 1 43 W	385	Trippe.
			N 61 50 W	S 61 50 E	423	Toe.
			S 50 38 W	N 50 38 E	770	Layor.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

OLD HOUSE POINT—Continued.

(*Tred Avon River—Chart No. 34*)—Continued.

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
8	38 42 45.40	76 07 45.94	N 13 48 E	S 13 48 W	461	Trippe.
			N 46 07 W	S 46 07 E	381	Toe.
			S 49 28 W	N 49 28 E	653	Layor.
9	38 42 36.80	76 07 46.46	N 9 32 E	S 9 32 W	749	Trippe.
			N 25 12 W	S 25 12 E	611	Toe.
			S 74 27 W	N 74 27 E	501	Layor.

TRIPPE.

(*Tred Avon River—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 42 46.45	76 07 25.86	S 2 20 E	N 2 20 W	723	Crack.
			S 42 52 E	N 42 52 W	775	Deux.
			S 72 58 E	N 72 58 W	988	Cam.
2	38 42 52.98	76 07 25.60	S 1 22 E	N 1 22 W	943	Crack.
			S 33 26 E	N 33 26 W	945	Deux.
			S 61 29 E	N 61 28 W	1,067	Cam.
3	38 42 52.92	76 07 15.85	S 14 03 W	N 14 03 E	969	Crack.
			S 18 30 E	N 18 30 W	830	Deux.
			S 53 16 E	N 53 15 W	849	Cam.
4	38 42 46.78	76 07 15.85	S 17 47 W	N 17 47 E	770	Crack.
			S 24 25 E	N 24 25 W	636	Deux.
			S 66 09 E	N 66 09 W	744	Cam.

BAKERS COVE.

(*Tred Avon River—Chart No. 34.*)

	′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 42 24.60	76 07 30.20	N 67 03 E	S 67 03 W	1,147	Cam.
			N 17 54 E	S 17 54 W	1,009	Venture.
			N 14 53 W	S 14 53 E	1,190	Trippe.
2	38 42 27.52	76 07 31.92	N 72 28 E	S 72 28 W	1,158	Cam.
			N 22 25 E	S 22 25 W	933	Venture.
			N 13 54 W	S 13 54 E	1,083	Trippe.
3	38 42 .00	76 07 09 12	N 28 12 E	S 28 12 W	640	Plow.
			N 24 27 W	S 24 28 E	596	Venture.
			N 68 21 W	S 68 21 E	940	Mistle.
4	38 42 30.34	76 07 06.10	N 15 45 E	S 15 46 W	819	Plow.
			N 23 03 W	S 23 04 E	834	Venture.
			N 59 01 W	S 59 01 E	1,112	Mistle.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

MARSHY.

(*Tred Avon River—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 42. 42. 98	76 08 44. 00	S 16 10 E	N 16 09 W	1,243	Borough.
			N 87 11 E	S 87 11 W	384	Twin.
			N 26 38 E	S 26 38 W	685	Weave.
2	38 43 00. 78	76 08 46. 58	S 37 50 E	N 37 50 W	736	Twin.
			N 88 15 E	S 88 15 W	375	Weave.
			N 2 25 E	S 2 25 W	911	Martin.
3	38 43 03. 12	76 08 58. 00	S 48 46 E	N 48 46 W	1,002	Twin.
			S 84 18 E	N 84 17 W	680	Weave.
			N 22 14 E	S 22 14 W	899	Martin.
4	38 43 11. 90	76 08 57. 40	S 37 38 E	N 37 38 W	1,207	Twin.
			S 61 08 E	N 61 07 W	752	Weave.
			N 31 10 E	S 31 10 W	626	Martin.
5	38 43 09. 80	76 08 37. 38	N 18 39 W	S 18 39 E	641	Martin.
			S 88 38 W	N 88 38 E	594	Spin.
			S 28 07 W	N 28 07 E	1,208	Plain.
6	38 42 52. 44	76 08 32. 56	N 15 34 W	S 15 34 E	1,238	Martin.
			N 51 35 W	S 51 35 E	920	Spin.
			S 55 26 W	N 55 26 E	845	Plain.
7	38 42 44. 64	76 08 36. 46	N 36 30 W	S 36 30 E	1,038	Spin.
			S 69 56 W	N 69 56 E	632	Plain.
			S 6 42 E	N 6 42 W	1,259	Borough.

FLATTY.

(*Tred Avon River—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 43 18. 50	76 08 20. 96	N 16 59 W	S 16 59 E	1,070	Neva.
			N 63 49 W	S 63 49 E	712	Martin.
			S 73 19 W	N 73 19 E	1,072	Spin.
2	38 43 18. 96	76 08 26. 54	N 9 18 W	S 9 18 E	1,023	Neva.
			N 58 46 W	S 58 46 E	574	Martin.
			S 69 50 W	N 69 49 E	937	Spin.
3	38 43 37. 76	76 08 23. 26	N 7 59 W	S 7 59 E	949	Robertson.
			N 33 58 W	S 33 58 E	451	Neva.
			S 59 48 W	N 59 48 E	668	Martin.
4	38 43 37. 22	76 08 17. 94	N 15 53 W	S 15 53 E	996	Robertson.
			N 45 02 W	S 45 02 E	554	Neva.
			S 66 07 W	N 66 07 E	786	Martin.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

OREM.

(*Tred Avon River—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing: Forward	True bearing: Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 43 20.38	76 08 39.86	S 16 54 E	N 16 54 W	679	Weave.
			N 75 34 E	S 75 34 W	640	Hunter.
			N 11 01 E	S 11 01 W	978	Neva.
2	38 43 35.52	76 08 45.46	S 16 35 E	N 16 34 W	1,211	Weave
			S 65 26 E	N 65 25 W	844	Hunter.
			N 71 40 E	S 71 41 W	1,119	Aye.
3	38 43 37.06	76 08 41.60	S 11 21 E	N 11 21 W	1,237	Weave
			S 58 49 E	N 58 48 W	779	Hunter
			N 72 39 E	S 72 39 W	1,008	Aye.
4	38 43 22.64	76 08 33.48	N 1 11 E	S 1 11 W	884	Neva.
			N 60 34 W	S 60 34 E	353	Martin.
			S 57 17 W	N 57 16 E	827	Spin

DOUBLE MILLS.

(*Tred Avon River—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 43 40.22	76 08 20.35	N 19 57 E	S 19 58 W	901	Stretch.
			N 48 30 W	S 48 30 E	439	Neva.
			S 57 22 W	N 57 22 E	778	Martin.
2	38 43 43.28	76 08 40.15	S 45 41 E	N 45 41 W	877	Hunter.
			N 84 23 E	S 84 23 W	930	Aye.
			N 48 09 E	S 48 09 W	1,115	Stretch.
3	38 43 48.27	76 08 29.34	S 23 38 E	N 23 38 W	852	Hunter.
			S 83 07 E	N 83 06 W	643	Aye.
			N 43 26 E	S 43 26 W	703	Stretch.
4	38 44 04.00	76 08 23.56	S 8 12 E	N 8 12 W	1,325	Hunter.
			S 38 40 E	N 38 40 W	779	Aye.
			N 83 23 E	S 83 23 W	395	Stretch.
5	38 44 02.62	76 08 10.48	S 51 45 W	N 51 44 E	750	Neva.
			S 14 05 E	N 14 05 W	579	Aye.
			S 87 46 E	N 87 45 W	1,078	Wall.
6	38 44 05.04	76 08 06.64	S 51 40 W	N 51 39 E	880	Neva
			S 3 30 E	N 3 30 W	643	Aye.
			S 82 46 E	N 82 46 W	983	Wall.
7	38 43 40.83	76 07 54.60	N 59 23 E	S 59 24 W	764	Wall.
			N 35 26 W	S 35 26 E	642	Stretch.
			N 59 04 W	S 59 04 E	1,037	Robertson.
8	38 43 51.61	76 08 07.14	N 71 36 E	S 71 36 W	1,042	Wall.
			N 5 05 W	S 5 05 E	465	Stretch.
			N 49 43 W	S 49 43 E	732	Robertson.
9	38 43 50.98	76 08 15.40	N 73 49 E	S 73 49 W	1,257	Wall.
			N 20 04 E	S 20 04 W	516	Stretch.
			N 34 31 W	S 34 31 E	599	Robertson.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

JOHNSTON.

(Tred Avon River—Chart No. 34.)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 43 53.00	76 07 41.02	N 35 11 E	S 35 12 W	1,551	Camden.
			N 3 37 W	S 3 37 E	648	May.
			N 60 20 W	S 60 20 E	842	Stretch.
2	38 44 05.14	76 07 43.44	N 67 46 E	S 67 46 W	1,089	Blossom.
			N 5 31 E	S 5 31 W	239	May.
			N 89 24 W	S 89 24 E	667	Stretch.
3	38 44 13.09	76 07 32.32	S 43 29 W	N 43 29 E	1,260	Aye.
			S 9 58 E	N 9 58 W	401	Wall.
			N 78 35 E	S 78 36 W	729	Blossom
4	38 44 06.96	76 07 27.20	N 58 48 E	S 58 49 W	678	Blossom.
			N 3 51 E	S 3 51 W	575	Peebee.
			S 87 10 W	N 87 09 E	1,098	Stretch.

CAMDEN POINT.

(Tred Avon River—Chart No. 34.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 16.20	76 07 14.46	N 21 37 E	S 21 37 W	522	Camden.
			N 48 40 W	S 48 40 E	397	Peebee.
			S 79 55 W	N 79 54 E	753	May.
2	38 44 17.27	76 07 20.14	N 37 19 E	S 37 19 W	564	Camden.
			N 33 13 W	S 33 13 E	270	Peebee.
			S 73 52 W	N 73 52 E	617	May.
3	38 44 36.25	76 07 13.58	N 24 00 W	S 24 00 E	652	Stab.
			S 63 17 W	N 63 17 E	143	Neck.
			S 19 04 E	N 19 04 W	674	Blossom.
4	38 44 35.32	76 07 08.40	N 32 40 W	S 32 40 E	745	Stab.
			S 82 56 W	N 82 56 E	267	Neck.
			S 07 50 E	N 07 50 W	611	Blossom.

WATERMELON POINT.

(Tred Avon River—Chart No. 34.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 44 53.40	76 07 12.58	S 10 30 E	N 10 30 W	782	Camden.
			S 85 08 E	N 85 08 W	297	Gash.
			N 29 47 E	S 29 47 W	705	Melon.
2	38 44 53.76	76 07 17.54	S 19 18 E	N 19 18 W	828	Camden.
			S 85 00 E	N 85 00 W	430	Gash.
			N 38 44 E	S 38 44 W	770	Melon.
3	38 45 22.30	76 07 04.92	S 34 22 W	N 34 22 E	496	Water.
			S 22 15 E	N 22 15 W	392	Melon.
			N 73 00 E	S 73 00 W	666	Bateman.
4	38 45 19.90	76 07 01.18	S 49 03 W	N 49 02 E	502	Water.
			S 09 58 E	N 09 57 W	285	Melon.
			N 62 52 E	S 62 52 W	604	Bateman.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

HOPKINS.

(Island Creek—Charts Nos. 34 and 35.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 39 25.86	76 09 21.68	N 34 54 W	S 34 54 E	744	Enter.
			S 86 59 W	N 86 58 E	2,750	Choptank River Light.
			S 17 57 W	N 17 56 E	3,680	Castle.
2	38 39 39.52	76 09 43.38	N 41 52 W	S 41 53 E	1,512	Boone.
			S 74 26 W	N 74 25 E	2,256	Choptank River Light.
			S 8 03 W	N 8 02 E	4,000	Castle.
	Thence from corner No. 2 along the mean low-water line of the shore to corner No. 3, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
3	38 39 43.22	76 09 32.62	S 37 26 E	N 37 25 W	530	Landeye.
			S 85 18 E	N 85 17 W	945	Berry.
			N 86 39 E	S 86 40 W	1,729	Jay.
4	38 39 35.08	76 09 09.60	N 59 26 E	S 59 26 W	387	Berry.
			N 46 58 E	S 46 58 W	1,147	Delahay.
			N 68 07 W	S 68 08 E	803	Enter.
	Thence from corner No. 4 along the mean low-water line of the shore to corner No. 1, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					

WILLIS.

(Island Creek—Charts No. 34 and 35.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 39 47.13	76 09 04.78	S 36 53 W	N 36 52 E	691	Landeye.
			S 44 32 E	N 44 31 W	294	Berry.
			N 53 55 E	S 53 55 W	270	Straw.
2	38 39 48.80	76 09 19.60	S 2 07 W	N 2 07 E	609	Landeye.
			S 66 02 E	N 66 02 W	654	Berry.
			N 80 26 E	S 80 26 W	619	Straw.
3	38 39 52.46	76 09 18.72	S 3 35 W	N 3 35 E	734	Landeye.
			S 55 53 E	N 55 53 W	694	Berry.
			S 88 00 E	N 87 59 W	587	Straw.
	Thence from corner No. 3 along the mean low-water line of the shore to corner No. 4, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
4	38 39 51.36	76 09 03.92	S 32 10 W	N 32 10 E	821	Landeye.
			S 27 30 E	N 27 30 W	397	Berry.
			N 79 49 E	S 79 49 W	982	Jay.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

ISLAND CREEK.

(*Island Creek—Charts Nos. 34 and 35.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 39 34.20	76 08 45.72	N 38 41 E	S 38 41 W	1,219	Kent.
			N 14 19 E	S 14 19 W	839	Delahay.
			N 25 38 W	S 25 38 E	659	Straw.
2	38 39 51.85	76 08 56.52	S 76 17 W	N 76 17 E	1,123	Enter.
			S 1 56 W	N 1 56 E	369	Berry.
			S 76 08 E	N 76 08 W	794	Jay.
	Thence from corner No. 2 along the mean low water line of the shore to corner No. 3, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
3	38 40 01.02	76 08 45.80	S 23 35 W	N 23 35 E	739	Berry.
			S 44 19 E	N 44 18 W	698	Jay.
			S 76 15 E	N 76 14 W	1,051	Mean.
4	38 40 00.84	76 08 39.00	S 35 18 W	N 35 18 E	823	Berry.
			S 31 57 E	N 31 57 W	582	Jay.
			S 73 50 E	N 73 49 W	876	Mean.
	Thence from corner No. 4 along the mean low water line of the shore to corner No. 5, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
5	38 40 00.68	76 08 28.02	S 48 59 W	N 48 58 E	1,051	Berry.
			S 02 03 E	N 02 03 W	488	Jay.
			S 66 35 E	N 66 35 W	600	Mean.
6	38 40 02.45	76 08 21.56	S 52 13 W	N 52 13 E	1,184	Berry.
			S 15 39 W	N 15 39 E	570	Jay.
			S 51 52 E	N 51 52 W	482	Mean.
	Thence from corner No. 6 along the mean low water line of the shore to corner No. 7, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
7	38 40 06.18	76 08 12.61	S 18 39 E	N 18 39 W	447	Mean.
			N 89 13 E	S 89 13 W	471	Maslin.
			N 34 18 E	S 34 18 W	424	Harry.
8	38 40 01.04	76 08 02.30	N 03 40 W	S 03 40 E	525	Harry.
			N 83 08 W	S 83 08 E	388	Kent.
			S 52 57 W	N 52 57 E	830	Jay.
	Thence from corner No. 8 along the mean low water line of the shore to corner No. 9, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
9	38 39 53.70	76 08 02.25	N 24 46 E	S 24 46 W	470	Maslin.
			N 52 48 W	S 52 48 E	487	Kent.
			S 69 10 W	N 69 10 E	711	Jay.
10	38 39 46.72	76 08 04.80	N 15 17 W	S 15 17 E	241	Mean.
			N 31 09 W	S 31 09 E	619	Kent.
			S 88 21 W	N 88 21 E	597	Jay.
	Thence from corner No. 10 along the mean low water line of the shore to corner No. 1, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					

BOUNDARIES OF NATURAL OYSTER BARS—continued.

MATTHEWS.

(*Island Creek—Charts Nos. 34 and 35.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 40 10.06	76 07 57.76	N 33 03 E	S 33 04 W	699	Charles.
			N 34 59 W	S 34 59 E	268	Harry.
			S 63 01 W	N 63 01 E	568	Kent.
2	38 40 11.20	76 07 59.18	N 37 25 E	S 27 25 W	689	Charles.
			N 32 39 W	S 32 39 E	214	Harry.
			S 57 42 W	N 57 42 E	554	Kent.
3	38 40 22.80	76 07 47.98	S 18 01 W	N 18 01 E	583	Maslin.
			S 53 52 E	N 53 52 W	358	Healey.
			N 66 43 E	S 66 43 W	650	Potato.
4	38 40 19.60	76 07 41.18	N 48 49 E	S 48 49 W	553	Potato.
			N 12 12 W	S 12 12 E	270	Charles.
			S 80 12 W	N 80 12 E	600	Harry.
	Thence from corner No. 4 along the mean low water line of the shore to corner No. 1, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					

OLD ORCHARD.

(*Miles River—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 46 44.98	76 12 09.46	S 40 29 E	N 40 29 W	540	Stony.
			S 78 19 E	N 78 18 W	2,200	Gibbs.
			N 29 02 W	S 29 02 E	2,206	Millwind.
2	38 47 09.58	76 12 34.28	N 20.42 W	S 20 42 E	1,175	Millwind.
			N 86 12 W	S 86 12 E	1,576	St. Michaels Water Tank.
			S 39 02 E	N 39 02 W	1,597	Stony.
3	38 47 13.60	76 12 26.40	N 32 54 W	S 32 54 E	1,147	Millwind.
			S 88 59 W	N 88 59 E	1,780	St. Michaels Water Tank.
			S 30 06 E	N 30 06 W	1,590	Stony.
4	38 46 50.94	76 11 53.28	S 7 08 W	N 7 08 E	617	Stony.
			S 69 31 E	N 69 31 W	1,855	Gibbs.
			N 2 35 E	S 2 35 W	2,085	Fair.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

GIBSONS FLATS.

(*Miles River—Chart No. 34*).

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 46 21.94	76 11 00.00	S 33 18 W	N 33 18 E	705	Maiden.
			S 71 49 E	N 71 49 W	1,015	Long.
			N 45 12 E	S 45 12 W	467	Gibbs.
2	38 46 53.50	76 11 46.12	S 20 50 W	N 20 50 E	747	Stony.
			S 64 36 E	N 64 35 W	1,715	Gibbs.
			N 10 37 E	S 10 37 W	1,746	Leeds.
3	38 47 02.96	76 12 00.00	N 26 13 E	S 26 13 W	1,557	Leeds.
			N 44 57 W	S 44 58 E	1,868	Millwind.
			S 5 40 E	N 5 40 W	1,023	Stony.
4	38 47 11.24	76 11 37.88	N 61 18 W	S 61 19 E	2,171	Millwind.
			S 20 26 W	N 20 26 E	1,383	Stony.
			S 44 56 E	N 44 56 W	1,884	Gibbs.
5	38 47 01.30	76 11 27.66	N 57 37 W	S 57 38 E	2,573	Millwind.
			S 38 04 W	N 38 04 E	1,220	Stony.
			S 46 45 E	N 46 44 W	1,457	Gibbs.
6	38 46 50.92	76 11 00.00	N 59 15 W	S 59 16 E	3,380	Millwind.
			S 67 36 W	N 67 36 E	1,604	Stony.
			S 27 03 E	N 27 03 W	728	Gibbs.

BAZZLES HILL.

(*Miles River—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 46 21.94	76 11 00.00	S 33 18 W	N 33 18 E	705	Maiden.
			S 71 49 E	N 71 49 W	1,015	Long.
			N 45 12 E	S 45 12 W	467	Gibbs.
2	38 46 44.98	76 12 09.46	S 40 29 E	N 40 29 W	540	Stony.
			S 78 19 E	N 78 18 W	2,200	Gibbs.
			N 29 02 W	S 29 02 E	2,206	Millwind.
3	38 46 50.94	76 11 53.28	S 7 08 W	N 7 08 E	617	Stony.
			S 69 31 E	N 69 31 W	1,855	Gibbs.
			N 2 35 E	S 2 35 W	2,085	Fair.
4	38 46 53.50	76 11 46.12	S 20 50 W	N 20 50 E	747	Stony.
			S 64 36 E	N 64 35 W	1,715	Gibbs.
			N 10 37 E	S 10 37 W	1,746	Leeds.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

LONG POINT.

(*Miles River—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 45 44.84	76 10 37.48	N 56 02 W	S 56 03 E	1,184	Maiden.
			S 85 09 W	N 85 08 E	629	Barnett.
			S 85 05 E	N 85 05 W	1,087	Comb.
2	38 45 50.45	76 10 47.28	N 56 52 W	S 56 52 E	864	Maiden.
			S 56 38 W	N 56 37 E	441	Barnett.
			S 78 07 E	N 78 06 W	1,370	Comb.
3	38 45 57.80	76 11 00.00	N 59 56 W	S 59 56 E	447	Maiden.
			S 3 46 W	N 3 46 E	491	Barnett.
			S 72 28 E	N 72 28 W	1,760	Comb.
4	38 46 21.94	76 11 00.00	S 33 18 W	N 33 18 E	705	Maiden.
			S 71 49 E	N 71 49 W	1,015	Long.
			N 45 12 E	S 45 12 W	467	Gibbs.
5	38 46 01.44	76 10 23.04	S 47 03 E	N 47 03 W	958	Comb.
			N 1 39 W	S 1 39 E	374	Long.
			N 85 44 W	S 85 45 E	1,307	Maiden.

BARNETT.

(*Miles River—Chart No. 34.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 45 40.04	76 10 57.24	S 38 36 E	N 38 36 W	1,159	Hall.
			N 87 33 E	S 87 33 W	1,605	Comb.
			N 44 04 W	S 44 04 E	151	Barnett.
2	38 45 46.02	76 11 03.90	S 37 15 E	N 37 15 W	117	Barnett.
			N 50 03 E	S 50 04 W	1,393	Long.
			N 24 35 W	S 24 35 E	684	Maiden.
3	38 45 57.80	76 11 00.00	N 59 56 W	S 59 56 E	447	Maiden.
			S 3 46 W	N 3 46 E	491	Barnett.
			S 72 28 E	N 72 28 W	1,760	Comb.
4	38 45 50.45	76 10 47.28	N 56 52 W	S 56 52 E	864	Maiden.
			S 56 38 W	N 56 37 E	441	Barnett.
			S 78 07 E	N 78 06 W	1,370	Comb.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

COX.

(*Miles River—Chart No. 34.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 46 16.13	76 09 22.88	N 27 10 E	S 27 10 W	1,052	Whit.
			N 64 12 W	S 64 13 E	911	Hunting.
			S 85 40 W	N 85 40 E	1,603	Long.
2	38 46 28.88	76 09 26.79	S 24 11 W	N 24 11 E	1,074	Ham.
			S 33 37 E	N 33 37 W	347	Kirk.
			N 71 02 E	S 71 03 W	1,056	McConnell.
3	38 46 30.98	76 09 19.61	S 30 56 W	N 30 56 E	1,225	Ham.
			S 00 25 E	N 00 25 W	360	Kirk.
			N 71 24 E	S 71 24 W	854	McConnell.
4	38 46 24.46	76 09 07.19	N 5 46 E	S 5 46 W	658	Whit.
			N 73 35 W	S 73 35 E	756	Spree.
			S 88 03 W	N 88 02 E	1,857	Beg.
5	38 46 20.94	76 09 14.50	N 47 50 E	S 47 50 W	911	McConnell.
			N 18 31 E	S 18 31 W	816	Whit.
			N 57 59 W	S 57 59 E	627	Spree.

Thence from corner No. 5 along the mean low-water line of the shore to corner No. 1, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.

CHLORA POINT.

(*Middle Choptank River—Chart No. 35.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 37 17.02	76 08 23.70	S 45 23 W	N 45 22 E	3,580	Le Compte.
			S 3 16 W	N 3 16 E	1,929	Toot.
			S 63 42 E	N 63 41 W	2,994	Howells.

Thence along county boundary as delineated on chart No. 35 to corner No. 2.

2	38 37 52.86	76 09 25.36	N 47 35 E	S 47 36 W	1,106	Chlora.
			N 2 15 E	S 2 15 W	3,304	Landeye.
			S 64 59 W	N 64 58 E	1,538	Large water tank.
3	38 38 14.98	76 08 54.49	N 57 03 W	S 57 04 E	4,131	Choptank River Light.
			S 59 05 W	N 59 04 E	2,160	Castle.
			S 10 18 E	N 10 18 W	3,944	Toot.
4	38 37 35.40	76 08 18.40	S 52 35 E	N 52 34 W	3,203	Howells.
			N 82 34 E	S 82 35 W	1,516	Trappe.
			N 35 34 W	S 35 35 E	1,641	Chlora.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

BEACONS.

(Middle Choptank River—Chart No. 35.)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 37 13.20	76 09 30.78	N 40 47 W	S 40 48 E	1,248	Trappe.
			N 57 31 W	S 57 33 E	3,879	Chlora.
			S 55 02 W	N 55 01 E	3,134	Toot.
2	38 37 21.58	76 07 45.12	S 48 20 E	N 48 19 W	2,228	Howells.
			N 43 14 E	S 43 15 W	909	Trappe.
			N 45 33 W	S 45 33 E	2,571	Chlora.
3	38 37 58.10	76 07 52.94	N 70 44 W	S 70 44 E	1,725	Chlora.
			S 15 36 W	N 15 35 E	3,437	Toot.
			S 34 36 E	N 34 35 W	3,295	Howells.
4	38 38 06.64	76 07 40.13	N 81 52 W	S 81 51 E	1,987	Chlora.
			S 19 20 W	N 19 20 E	3,813	Toot.
			S 27 03 E	N 27 02 W	3,368	Howells.
	Thence from corner No. 4 along the mean low-water line of the shore to corner No. 5, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
5	38 37 41.21	76 07 21.59	N 65 08 W	S 65 09 E	2,709	Chlora.
			S 86 52 W	N 86 50 E	4,674	Large water tank.
			S 32 36 W	N 32 36 E	3,253	Toot.
6	38 37 36.75	76 07 01.72	N 20 49 E	S 20 49 W	684	Gis.
			N 74 00 W	S 74 01 E	547	Trappe.
			S 1 21 W	N 1 21 E	5,098	Howard.
	Thence from corner No. 6 along the mean low-water line of the shore to corner No. 1, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					

LA TRAPPE.

(La Trappe Creek—Chart No. 35.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 37 49.10	76 06 57.42	N 19 22 E	S 19 22 W	832	Rice.
			N 33 35 W	S 33 35 E	546	Lan.
			S 67 24 W	N 67 24 E	692	Trappe.
2	38 38 00.36	76 07 06.94	S 9 50 E	N 9 50 W	808	Grubin.
			S 67 35 E	N 67 35 W	412	Gis.
			N 52 26 E	S 52 27 W	666	Rice.
	Thence from corner No. 2 along the mean low-water line of the shore to corner No. 3, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
3	38 38 02.40	76 07 03.16	S 2 31 E	N 2 31 W	866	Grubin.
			S 51 12 E	N 51 11 W	361	Gis.
			N 51 46 E	S 51 46 W	545	Rice.
4	38 38 18.30	76 06 35.39	S 57 01 W	N 57 01 E	366	Rice.
			S 44 20 W	N 44 20 E	1,749	Trappe.
			S 17 42 W	N 17 42 E	647	Inez.
5	38 38 11.96	76 06 31.00	N 87 59 W	S 87 59 E	423	Rice.
			S 72 26 W	N 72 26 E	1,050	Lan.
			S 37 51 W	N 37 51 E	510	Inez.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

LA TRAPPE—Continued.

(*La Trappe Creek Chart No. 35*)—Continued.

Corner of bar	Latitude	Longitude	True bearing: Forward	True bearing: Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
6	38 38 00.08	76 06 53.96	N 23 58 E	S 23 58 W	455	Rice.
			N 77 56 W	S 77 56 E	402	Lan.
			S 14 37 W	N 14 37 E	814	Grubin.
7	38 37 49.40	76 06 52.64	N 10 56 E	S 10 56 W	790	Rice.
			N 43 56 W	S 43 57 E	617	Lan.
			S 70 10 W	N 70 10 E	815	Trappe.

HOWELLS POINT.

(*Middle Choptank River—Chart No. 35.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 36 08.62	76 06 41.08	N 60 42 E	S 60 43 W	3,153	Red.
			N 00 25 W	S 00 25 E	980	Howells.
			N 82 15 W	S 82 16 E	2,827	Toot.
2	38 36 17.00	76 06 47.70	N 66 31 E	S 66 32 W	3,163	Red.
			N 11 41 E	S 11 41 W	712	Howells.
			N 87 52 W	S 87 53 E	2,652	Toot.
3	38 36 21.46	76 07 24.53	S 63 26 E	N 63 25 W	3,578	Command.
			N 63 57 E	S 63 57 W	1,246	Howells.
			N 1 39 E	S 1 39 W	2,690	Trappe.
4	38 36 38.20	76 07 55.21	S 22 33 E	N 22 32 W	3,380	Howard.
			S 89 28 E	N 89 27 W	1,930	Howells.
			N 22 43 E	S 22 43 W	2,303	Trappe.
5	38 37 04.47	76 07 41.54	S 13 07 E	N 13 07 W	4,115	Howard.
			S 60 04 E	N 60 03 W	1,810	Howells.
			N 23 04 E	S 23 05 W	1,346	Trappe.
6	38 36 55.18	76 06 52.64	N 26 16 W	S 26 16 E	1,731	Trappe.
			S 64 44 W	N 64 44 E	2,785	Toot.
			S 5 34 W	N 5 34 E	3,713	Howard.
	Thence from corner No. 6 along the mean low-water line of the shore to corner No. 7, excluding any creek, cove, or inlet less than 100 yards in width at its mouth at low tide.					
7	38 36 23.08	76 06 39.78	N 68 35 E	S 68 36 W	2,890	Red.
			N 7 34 W	S 7 34 E	496	Howells.
			S 87 52 W	N 87 51 E	2,862	Toot.
8	38 36 30.34	76 06 37.90	S 14 43 W	N 14 43 E	2,954	Howard.
			S 45 59 E	N 45 59 W	2,734	Command.
			N 72 56 E	S 72 57 W	2,762	Red.
9	38 36 13.20	76 06 25.27	N 58 57 E	S 58 58 W	2,692	Red.
			N 28 33 W	S 28 34 E	940	Howells.
			N 86 01 W	S 86 02 E	3,251	Toot.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

DICKINSON.

(*Middle Choptank River—Chart No. 35.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 35 58.78	76 05 55.86	N 39 11 E	S 39 12 W	2,419	Red.
			N 43 06 W	S 43 06 E	1,797	Howells.
			S 46 06 W	N 46 05 E	2,586	Howard.
2	38 36 46.24	76 06 33.60	S 38 25 W	N 38 25 E	369	Howells.
			S 14 17 W	N 14 17 E	3,502	Howard.
			N 83 48 E	S 83 49 W	2,543	Red.
3	38 36 55.65	76 06 31.08	S 26 00 W	N 26 00 E	675	Howells.
			S 14 05 W	N 14 05 E	3,825	Howard.
			S 89 00 E	N 88 59 W	2,461	Red.
4	38 36 29.84	76 05 41.78	N 54 24 E	S 54 24 W	1,422	Red.
			N 80 37 W	S 80 38 E	1,622	Howells.
			S 38 12 W	N 38 11 E	3,615	Howard.
5	38 36 40.84	76 04 43.15	S 88 03 W	N 88 02 E	3,153	Howells.
			S 25 25 W	N 25 25 E	2,495	Command.
			S 49 18 E	N 49 17 W	3,215	Double.
6	38 36 24.38	76 04 53.36	N 81 10 W	S 81 11 E	2,916	Howells.
			S 25 14 W	N 25 14 E	1,878	Command.
			S 60 20 E	N 60 19 W	3,117	Double.
7	38 36 10.60	76 05 12.54	N 71 30 E	S 71 31 W	3,391	Double.
			N 14 32 E	S 14 32 W	1,526	Red.
			N 68 58 W	S 68 59 E	2,544	Howells.
	Thence along county boundary as delineated on chart No. 35 to corner No. 8.					
8	38 36 09.56	76 05 26.90	N 26 46 E	S 26 46 W	1,693	Red.
			N 64 34 W	S 64 35 E	2,208	Howells.
			S 50 39 W	N 50 38 E	3,401	Howard.
	Thence along county boundary as delineated on chart No. 35 to corner No. 1.					

KIRBY.

(*Middle Choptank River—Chart No. 35.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 35 36.96	76 04 11.95	S 87 00 W	N 86 59 E	1,900	Command.
			S 36 03 W	N 36 03 E	1,289	Cambridge.
			N 87 58 E	S 87 58 W	1,613	Double.
	Thence along county boundary as delineated on Chart No. 35 to corner No. 2.					
2	38 36 10.60	76 05 12.54	N 71 30 E	S 71 31 W	3,391	Double.
			N 14 32 E	S 14 32 W	1,526	Red.
			N 68 58 W	S 68 59 E	2,544	Howells.
3	38 36 24.38	76 04 53.36	N 81 10 W	S 81 11 E	2,916	Howells.
			S 25 14 W	N 25 14 E	1,878	Command.
			S 60 20 E	N 60 19 W	3,117	Double.
4	38 35 53.98	76 03 49.22	N 41 49 W	S 41 48 E	2,708	Red.
			S 76 36 W	N 76 35 E	1,714	Hambrooks Bar Beacon.
			S 40 05 W	N 40 05 E	2,113	Cambridge.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

SCRAPING LINE.

(*Middle Choptank River—Chart No. 35.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 35 03.79	76 03 26.56	S 88 27 E	N 88 26 W	1,670	Boling.
			N 19 15 E	S 19 16 W	1,246	Double.
			N 60 16 W	S 60 17 E	2,618	Hambrooks Bar Beacon.
2	38 35 04.16	76 03 51.00	S 88 34 E	N 88 33 W	2,317	Boling.
			N 42 16 E	S 42 17 W	1,573	Double.
			N 51 38 W	S 51 38 E	2,067	Hambrooks Bar Beacon.
	Thence along county boundary as delineated on Chart No. 35 to corner No. 3.					
3	38 35 19.74	76 04 02.77	S 77 29 E	N 77 28 W	2,691	Boling.
			N 65 01 E	S 65 01 W	1,510	Double.
			N 24 38 W	S 24 38 E	3,512	Red.
4	38 35 11.64	76 03 14.60	S 77 06 E	N 77 05 W	1,388	Boling.
			N 5 54 E	S 5 54 W	916	Double.
			N 68 16 W	S 68 17 E	2,781	Hambrooks Bar Beacon.

BOLINGBROKE SAND.

(*Middle Choptank River—Chart No. 35.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 34 34.04	76 02 59.57	N 78 36 E	S 78 37 W	2,006	Rear.
			N 44 54 E	S 44 55 W	1,353	Boling.
			N 7 56 W	S 7 56 E	2,200	Double.
	Thence along county boundary as delineated on Chart No. 35 to corner No. 2.					
2	38 34 40.44	76 03 12.48	N 85 32 E	S 85 33 W	2,314	Rear.
			N 60 13 E	S 60 13 W	1,494	Boling.
			N 1 07 E	S 1 07 W	1,963	Double.
3	38 35 13.08	76 02 45.08	S 85 34 W	N 85 32 E	3,068	Cambridge.
			S 19 14 W	N 19 14 E	2,497	Shoal.
			S 57 53 E	N 57 53 W	675	Boling.
4	38 35 03.27	76 02 35.10	N 88 24 W	S 88 25 E	3,323	Cambridge.
			S 28 12 W	N 28 12 E	2,299	Shoal.
			S 65 55 E	N 65 55 W	1,444	Rear.

THE BLACK BUOY.

(*Middle Choptank River—Chart No. 35.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 34 18.74	76 01 58.46	S 49 58 E	N 49 58 W	926	Ferry.
			N 20 53 E	S 20 53 W	977	Rear.
			N 24 13 W	S 24 13 E	1,616	Boling.
	Thence along county boundary as delineated on Chart No. 35 to corner No. 2.					
2	38 34 24.13	76 02 28.08	N 57 10 E	S 57 10 W	1,347	Rear.
			N 5 22 E	S 5 22 W	1,298	Boling.
			S 60 58 W	N 60 58 E	1,456	Shoal.
3	38 34 46.00	76 02 20.24	S 89 35 E	N 89 35 W	925	Rear.
			N 8 51 W	S 8 51 E	562	Boling.
			N 79 42 W	S 79 43 E	3,776	Cambridge.
4	38 34 32.08	76 01 52.26	N 84 15 E	S 84 16 W	2,403	Whitehall.
			N 21 41 E	S 21 41 W	498	Rear.
			N 38 55 W	S 38 55 E	1,317	Boling.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

SUGAR LOAF.

(*Middle Choptank River—Chart No. 35.*)

Corner of bar	Latitude	Longitude	True bearing Forward	True bearing Back	Distance	U. S. C. & G. S. triangulation station
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 34 18.74	76 01 58.46	S 49 58 E	N 49 58 W	926	Ferry.
			N 20 53 E	S 20 53 W	977	Rear.
			N 24 13 W	S 24 13 E	1,616	Boling.
2	38 34 32.08	76 01 52.26	N 84 15 E	S 84 16 W	2,403	Whitehall.
			N 21 41 E	S 21 41 W	498	Rear.
			N 38 55 W	S 38 55 E	1,317	Boling.
3	38 34 26.46	76 01 27.88	N 76 09 E	S 76 10 W	1,798	Whitehall.
			N 35 17 W	S 35 17 E	799	Rear.
			S 74 37 W	N 74 36 E	2,960	Shoal.
4	38 34 20.32	76 01 26.22	N 69 29 E	S 69 30 W	1,820	Whitehall.
			N 30 28 W	S 30 28 E	996	Rear.
			S 78 46 W	N 78 45 E	2,967	Shoal.

Thence along county boundary as delineated on Chart No. 35 to corner No. 1.

CHANCELLOR POINT.

(*Upper Choptank River—Chart No. 35.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 34 20.32	76 01 26.22	N 69 29 E	S 69 30 W	1,820	Whitehall.
			N 30 28 W	S 30 28 E	996	Rear.
			S 78 46 W	N 78 45 E	2,967	Shoal.
2	38 34 26.46	76 01 27.88	N 76 09 E	S 76 10 W	1,798	Whitehall.
			N 35 17 W	S 35 17 E	799	Rear.
			S 74 37 W	N 74 36 E	2,960	Shoal.
3	38 34 42.38	76 01 18.55	S 14 00 W	N 14 00 E	1,436	Ferry.
			S 85 57 E	N 85 56 W	1,503	Whitehall.
			N 43 53 E	S 43 54 W	2,824	Duck.
4	38 35 05.22	76 01 23.00	S 6 03 W	N 6 03 E	2,175	Ferry.
			S 61 32 E	N 61 32 W	1,839	Whitehall.
			N 58 38 E	S 58 39 W	2,430	Duck.
5	38 35 07.06	76 00 48.15	S 27 23 W	N 27 22 E	2,505	Ferry.
			S 36 36 E	N 36 35 W	1,169	Whitehall.
			N 43 46 E	S 43 47 W	1,667	Duck.
6	38 34 39.53	76 01 03.10	N 1 17 W	S 1 17 E	1,731	Barber.
			N 79 17 W	S 79 18 E	1,137	Rear.
			S 30 15 W	N 30 15 E	1,502	Ferry.

Thence along county boundary as delineated on chart No. 35 to corner No. 1.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

BRITISH HARBOR.

(Upper Choptank River—Chart No. 35.)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 35 14.68	76 00 30.08	N 72 03 E	S 72 04 W	3,094	Gander.
			N 35 29 E	S 35 29 W	1,162	Duck.
			N 59 07 W	S 59 07 E	1,063	Barber.
2	38 35 25.36	76 00 55.80	S 29 58 E	N 29 57 W	1,796	Whitehall.
			S 64 00 E	N 63 59 W	1,775	Shell.
			N 66 36 E	S 66 37 W	1,476	Duck.
3	38 35 32.84	76 00 48.36	S 21 09 E	N 21 09 W	1,939	Whitehall.
			S 53 37 E	N 53 36 W	1,737	Shell.
			N 73 54 E	S 73 55 W	1,206	Duck.
4	38 35 38.06	76 00 19.50	S 52 11 W	N 52 11 E	2,875	Rear.
			S 27 44 E	N 27 43 W	1,363	Shell.
			S 66 47 E	N 66 46 W	2,671	Chief.
5	38 35 33.88	76 00 01.76	S 59 24 W	N 59 23 E	3,185	Rear.
			S 8 46 E	N 8 46 W	1,078	Shell.
			S 65 19 E	N 65 18 W	2,184	Chief.
6	38 35 29.35	75 59 58.01	N 77 38 E	S 77 39 W	2,144	Gander.
			N 21 05 W	S 21 05 E	484	Duck.
			N 88 21 W	S 88 21 E	1,762	Barber.
Thence along county boundary as delineated on chart No. 35 to corner No. 1.						

GOOSE POINT.

(Upper Choptank River—Chart No. 35.)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 35 29.35	75 59 58.01	N 77 38 E	S 77 39 W	2,144	Gander.
			N 21 05 W	S 21 05 E	484	Duck.
			N 88 21 W	S 88 21 E	1,762	Barber.
2	38 35 33.88	76 00 01.76	S 59 24 W	N 59 23 E	3,185	Rear.
			S 8 46 E	N 8 46 W	1,078	Shell.
			S 65 19 E	N 65 18 W	2,184	Chief.
3	38 35 47.52	75 59 45.76	S 48 42 E	N 48 42 W	2,078	Chief.
			S 85 02 E	N 85 01 W	1,777	Gander.
			N 59 11 E	S 59 12 W	2,385	War.
4	38 35 46.40	75 59 12.80	S 27 19 E	N 27 19 W	1,502	Chief.
			S 82 40 E	N 82 39 W	906	Gander.
			N 43 01 E	S 43 02 W	1,724	War.

BOUNDARIES OF NATURAL OYSTER BARS—continued.

MILL DAM.

(*Upper Choptank River—Chart No. 35.*)

Corner of bar	Latitude	Longitude	True bearing		Distance	U. S. C. & G. S. triangulation station
			Forward	Back		
	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 35 46.40	75 59 12.80	S 27 19 E	N 27 19 W	1,502	Chief.
			S 82 40 E	N 82 39 W	906	Gander.
			N 43 01 E	S 43 02 W	1,724	War.
2	38 36 00.58	75 59 35.54	S 35 28 E	N 35 28 W	2,224	Chief.
			S 68 24 E	N 68 23 W	1,613	Gander.
			N 66 16 E	S 66 17 W	1,941	War.
3	38 36 19.46	75 59 25.95	S 45 21 E	N 45 21 W	1,751	Gander.
			N 84 34 E	S 84 34 W	1,530	War.
			N 48 42 E	S 48 43 W	1,971	Wick.
4	38 36 29.37	75 59 02.88	S 22 06 E	N 22 05 W	1,689	Gander.
			S 78 18 E	N 78 17 W	933	War.
			N 42 00 E	S 42 00 W	1,300	Wick.
5	38 36 26.90	75 58 57.27	S 18 11 E	N 18 11 W	1,559	Gander.
			S 82 07 E	N 82 07 W	772	War.
			N 34 31 E	S 34 31 W	1,274	Wick.
	Thence along county boundary as delineated on Chart No. 35 to corner No. 1.					

JAMAICA POINT.

(*Upper Choptank River—Chart No. 35.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 36 32.47	75 58 58.80	S 17 32 E	N 17 31 W	1,751	Gander.
			S 69 58 E	N 69 57 W	857	War.
			N 41 29 E	S 41 30 W	1,150	Wick.
2	38 36 34.74	75 59 10.36	S 25 31 E	N 25 30 W	1,935	Gander.
			S 71 34 E	N 71 34 W	1,171	War.
			N 53 40 E	S 53 41 W	1,325	Wick.
3	38 36 43.05	75 59 07.98	S 20 49 E	N 20 49 W	2,168	Gander.
			S 58 11 E	N 58 10 W	1,234	War.
			N 63 19 E	S 63 19 W	1,124	Wick.
4	38 36 41.02	75 58 56.60	S 13 28 E	N 13 28 W	2,013	Gander.
			S 52 05 E	N 52 04 W	947	War.
			N 50 50 E	S 50 50 W	908	Wick.

SPAR BUOY.

(*Upper Choptank River—Chart No. 35.*)

	° ′ ″	° ′ ″	° ′	° ′	*Yards.*	
1	38 37 46.60	75 58 57.78	N 21 41 E	S 21 42 W	1,322	Blind.
			N 61 00 W	S 61 00 E	732	Raccoon.
			S 58 18 W	N 58 18 E	1,150	Bank.
2	38 38 03.92	75 58 55.44	S 41 13 W	N 41 12 E	1,580	Bank.
			S 50 52 E	N 50 52 W	1,300	House.
			N 86 59 E	S 87 00 W	1,990	Hut.
3	38 38 07.18	75 58 37.02	N 42 21 E	S 42 22 W	1,506	Up.
			N 6 26 W	S 6 26 E	538	Blind.
			S 74 06 W	N 74 05 E	1,237	Raccoon.
	Thence along county boundary as delineated on Chart No. 35 to corner No. 1.					

APPENDIXES.

APPENDIX A.—LAWS RELATING TO THE COOPERATION OF THE COAST AND GEODETIC SURVEY AND BUREAU OF FISHERIES WITH THE MARYLAND SHELL FISH COMMISSION.

The work of the Coast and Geodetic Survey and of the Bureau of Fisheries, in cooperation with the Maryland Shell Fish Commission, in surveying the oyster bars, establishing permanent landmarks at triangulation stations, and preparing for publication the necessary charts and technical and legal descriptions of boundaries and landmarks shown on these charts, has been executed in compliance with a request from the governor of the State of Maryland to the Secretary of Commerce and Labor, and by the authority of the following laws of the United States and Maryland:

[Act of Congress approved May 26, 1906.]

AN ACT To authorize the Secretary of Commerce and Labor to cooperate, through the Bureau of the Coast and Geodetic Survey and the Bureau of Fisheries, with the shellfish commissioners of the State of Maryland in making surveys of the natural oyster beds, bars, and rocks in the waters within the State of Maryland.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the Secretary of Commerce and Labor be, and he is hereby, authorized and directed, upon the request of the governor of the State of Maryland, to designate such officers, experts, and employees of the Bureau of the Coast and Geodetic Survey and of the Bureau of Fisheries as may be necessary to cooperate with the Maryland State board of shellfish commissioners in making a survey of and locating the natural oyster beds, bars, and rocks in the waters within the State of Maryland; and the Secretary of Commerce and Labor is hereby authorized and directed to furnish to the officers, experts, and employees of said Bureaus so detailed as aforesaid such instruments, appliances, and steam launches as may be necessary to make the survey aforesaid; and the Secretary of Commerce and Labor is hereby authorized to have made in the Bureau of the Coast and Geodetic Survey all the plats necessary to show the results of the aforesaid survey and the locations of the said natural oyster beds, bars, and rocks in the waters within the State of Maryland, and to furnish to the board of shellfish commissioners of the State of Maryland such copies as may be necessary, and for this purpose to employ, in the District of Columbia and elsewhere, such technically qualified persons as may be necessary to carry out the purpose of this act.

SEC. 2. That the Secretary of Commerce and Labor is hereby further authorized to have erected or constructed by the officers so detailed as aforesaid, while making such survey, such structures as may be necessary to mark the points of triangulation, so that the same may be used for such future work of the Coast and Geodetic Survey as the said Bureau may be hereafter required to perform in prosecuting the Government coast survey of the navigable waters of the United States located within the State of Maryland.

* * * * * * *

SEC. 4. That this act shall take effect from the date of its passage.

[Act of Congress approved June 30, 1906.]

AN ACT Making appropriations for sundry civil expenses of the Government for the fiscal year ending June thirtieth, nineteen hundred and seven, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and the same are hereby, appropriated, for the objects hereinafter expressed, for the fiscal year ending June thirtieth, nineteen hundred and seven, namely: * * *

COAST AND GEODETIC SURVEY: * * * For any special surveys * * * including the expenditures authorized under Public Act Numbered One hundred and eighty-one, approved May twenty-six, nineteen hundred and six, and contingent expenses incident thereto, five thousand dollars, together with the unexpended balance under this appropriation for nineteen hundred and six and prior years which is hereby reappropriated and made available on this account for the fiscal year nineteen hundred and seven * * *.

[Act of Congress approved March 4, 1907.]

AN ACT Making appropriations for sundry civil expenses of the Government for the fiscal year ending June thirtieth, nineteen hundred and eight, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and the same are hereby, appropriated, for the objects hereinafter expressed, for the fiscal year ending June thirtieth, nineteen hundred and eight, namely: * * *

COAST AND GEODETIC SURVEY: * * * For any special surveys * * * including expenses of surveys in aid of the shellfish commission of the State of Maryland, to be immediately available and to continue available until expended, twenty-five thousand dollars * * *.

[Act of Congress approved May 27, 1908.]

AN ACT Making appropriations for sundry civil expenses of the Government for the fiscal year ending June thirtieth, nineteen hundred and nine, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and the same are hereby, appropriated, for the objects hereinafter expressed, for the fiscal year ending June thirtieth, nineteen hundred and nine, namely: * * *

COAST AND GEODETIC SURVEY: * * * For any special surveys * * * including expenses of surveys in aid of the shellfish commission of the State of Maryland, which expenses, including cost of plats and charts, shall not exceed fifteen thousand dollars in any one year, to be immediately available, twenty thousand dollars.

[Act of Congress approved March 4, 1909.]

AN ACT Making appropriation for sundry civil expenses of the Government for the fiscal year ending June thirtieth, nineteen hundred and ten, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and the same are hereby, appropriated, for the objects hereinafter expressed, for the fiscal year ending June thirtieth, nineteen hundred and ten, namely: * * *

COAST AND GEODETIC SURVEY: * * * For any special surveys * * * including expenses of surveys in aid of the shellfish commission of the State of Maryland, which expenses, including cost of plats and charts, shall not exceed fifteen thousand dollars in any one year, to be immediately available, twenty thousand dollars.

[Act of Congress approved June 25, 1910.]

AN ACT Making appropriations for sundry civil expenses of the Government for the fiscal year ending June thirtieth, nineteen hundred and eleven, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and the same are hereby, appropriated, for the objects hereinafter expressed, for the fiscal year ending June thirtieth, nineteen hundred and eleven, namely: * * *

COAST AND GEODETIC SURVEY: * * * For any special surveys, * * * including expenses of surveys in aid of the shellfish commission of the State of Maryland, to be immediately available fifteen thousand dollars.

[Act of Congress approved March 4, 1911.]

AN ACT Making appropriation for sundry civil expenses of the Government for the fiscal year ending June thirtieth, nineteen hundred and twelve, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and the same are hereby, appropriated, for the objects hereinafter expressed, for the fiscal year ending June thirtieth, nineteen hundred and twelve, namely: * * *

COAST AND GEODETIC SURVEY: * * * For any special surveys * * * including expenses of surveys in aid of the shellfish commission of the State of Maryland, to be immediately available, thirteen thousand dollars.

[Act of the Legislature of Maryland approved April 2, 1906.]

AN ACT To establish and promote the industry of oyster culture in Maryland, to define and mark natural oyster beds, bars and rocks lying under the waters of this State, to prescribe penalties for the infringement of the provisions of this Act, and * * * .

SECTION 1. *Be it enacted by the General Assembly of Maryland,* That the following sections be, and they are hereby, added to article 72 of the Code of Public General Laws, title "Oysters." * * *

SEC. 86. The Board of Shell Fish Commissioners shall, as soon as practicable after the passage of this Act, cause to be made a true and accurate survey of the natural oyster beds, bars and rocks of this State, said survey to be made with reference to fixed and permanent objects on the shore, giving courses and distances, to be fully described and set out in a written report of said survey, as hereinafter required. A true and accurate delineation of the same shall be made on copies of published maps and charts of the United States coast and geodetic survey, which said copies shall be filed in the office of the said commissioners in the city of Annapolis, and the said commissioners shall further cause to be delineated upon copies of the published maps and charts of the United States coast and geodetic survey, of the largest scale, one copy for each of the counties of this State in the waters of which there are natural oyster beds, bars and rocks, all natural beds, bars and rocks lying within the waters of such county, which maps shall be filed in the offices of the clerks of the Circuit Court for the respective counties wherein the grounds so designated may lie. * * *

SEC. 87. The Governor of this State is hereby requested to ask the assistance of the United States coast and geodetic survey, and of the United States Fish Commissioner, to aid in the carrying out of the provisions of the preceding section.

* * * * * * * * *

SEC. 89. As soon as practicable after the first day of April, 1906, the said commissioners shall organize, and shall at once proceed, with the assistance of such person or persons as may be detailed by the United States coast and geodetic survey and the United States Fish Commissioner, to aid them in their work, and of such persons as may be appointed under the preceding section, to have laid out, surveyed and designated on the said charts, the natural beds and bars, and shall cause to be marked and defined as accurately as practicable the limits and boundaries of the natural beds, bars, and rocks as established by said survey, and they shall take true and accurate notes of said survey in writing, and make an accurate report of said survey, setting forth such a description of landmarks as may be necessary to enable the said board, or their successors, to find and ascertain the boundary lines of the said natural oyster beds, bars and rocks, as shown by a delineation on the maps and charts provided in this Act; said report shall be completed and filed in the office of the board in the city of Annapolis within ninety days after the completion of the survey of any county. Said commissioners shall cause the same to be published in pamphlet form, and transmit copies of the same to the Clerks of the Circuit court for the respective counties, where the charts have been filed or directed to be filed as hereinafter provided; the said report to be filed by the clerks of the several counties in a book kept for that purpose. And the said survey and report, when filed, subject to the right of appeal hereafter provided for in this Act, shall be taken in all of the courts of this State as conclusive evidence of the boundaries and limits of all natural oyster beds, bars and rocks, lying within the waters of the county wherein such survey and report are filed, and shall be construed to mean in all of the said courts that there are no natural oyster beds, bars or rocks lying within the waters of the counties wherein such report and survey are filed other than those embraced in the survey authorized by this Act, and that all areas of the Chesapeake Bay and its tributaries within the State of Maryland, not shown in the survey to be natural

oyster beds, bars or rocks shall be construed in all the courts of the State to be barren bottoms and open for disposal by the State for the purpose of private planting or propagation of oysters thereon under the provisions of this Act, provided, that the said survey and report shall not be construed as to affect in any manner the holdings by citizens of this State in any lot which may have been appropriated or taken up under the laws of this State prior to the approval of this Act.

The law of the State of Maryland, passed March 9, 1842, authorizing officers of the United States Coast and Geodetic Survey to enter upon the lands within the State limits for the purposes of the survey, is as follows:

AN ACT Concerning the Survey of the Coast of Maryland.

SECTION 1. *Be it enacted by the General Assembly of Maryland,* That it shall and may be lawful for any person or persons employed under and by virtue of an act of the Congress of the United States, * * * at any time hereafter to enter upon lands within this State for the purpose of exploring, surveying, triangulating, or leveling, or doing any other matter or thing which may be necessary to effect the objects of said act, and to erect any works, stations, buildings, or appendages requisite for that purpose, doing no unnecessary injury to private or other property.

SEC. 2.[1] *And be it enacted,* That in case the person or persons employed under the act of Congress aforesaid, can not agree with the owners or possessors of the land so entered upon and used as to the amount of damage done thereto by reason of the removal of fences, cutting of trees or injury to the crop or crops growing on the same, it shall and may be lawful for the said parties or either of them to apply to the chief justice for the time being or one of the associate judges of the judicial district in which such land may be situated, who shall thereupon appoint three disinterested and judicious freeholders, residents of the same judicial district, to proceed with as much despatch as possible to the examination of the matter in question, and the faithful assessment of the damages sustained by the owners or possessors aforesaid, and the said freeholders or a majority of them, having first taken and subscribed an oath or affirmation before the chief or associate justice aforesaid or other person duly authorized to administer the same, that they will well and truly examine and assess as aforesaid, and having given five days' notice to both parties of the time of their meeting, shall proceed to the spot, and then and there upon their own view and if required, upon the evidence of witnesses (to be by them sworn or affirmed and examined), shall assess the said damages, and shall afterward make report thereof and of their proceedings in writing under their hands and seals and file the same within five days thereafter in the office of the clerk of the county in which the land aforesaid is situated, subject to an appeal by either party to the county court of the said county within ten days after filing as aforesaid, and the said report so made as aforesaid if no appeal as aforesaid be taken, shall be held to be final and conclusive as between the said parties, and the amount so assessed and reported shall be paid to the said owners or possessors of the land so damaged within twenty days after the filing of said report, and the said chief or associate justice as aforesaid, shall have authority to tax and allow upon the filing of said report, such costs, fees and expenses to the said freeholders for the performance of their duty as he shall think equitable and just, which allowance shall be paid by the person or persons employed under the act of congress aforesaid, within the time last above limited, but if an appeal as aforesaid be taken, the case shall be set down for hearing at the first term of county court aforesaid, ensuing upon and after appeal, and it shall be lawful for either party immediately after the entry of such appeal, to take out summons for such witnesses as may be necessary to be examined upon the hearing aforesaid, and the said court shall have power in its discretion to award costs against which ever the final judgment shall be entered, and such appeal at the option of either party may and shall be heard before and the damage assessed by a jury of twelve men to be taken from the regular panel and elected as in other cases.

SEC. 3. *And be it enacted,* That if any person or persons shall wilfully injure or deface or remove any signal, monument or building or any appendage thereto, erected, used or constructed under and by virtue of the act of congress aforesaid, such person or persons so offending shall severally forfeit and pay the sum of fifty dollars with costs of suit to be sued for and recovered by any person who shall first

[1] Under the rulings of the Comptroller of the Treasury no damages can be collected except through the United States Court of Claims unless an agreement has been made in advance.

prosecute the same before any justice of the peace of the county where the person so offending may reside, and shall also be liable to pay the amount of damages thereby sustained, to be recovered with costs of suit in an action on the case, in the name and for the use of the United States of America, in any court of competent jurisdiction.

Appendix B.—THE HAMAN OYSTER CULTURE LAW.

[Extract from Second Report of Shell Fish Commission.]

OBJECT.

"The legislature in placing chapter 711 of the acts of 1906, better known as the Haman oyster culture law, upon the statute books of Maryland, had a twofold object in view:

"1. To encourage an industry in oyster culture upon the barren bottoms beneath the tidewaters of the State.

"2. To prevent the leasing of natural oyster bars for the purpose of oyster culture."

SURVEY.

"To make the leasing of barren bottoms possible and the leasing of natural bars impossible, provision was made for a survey of the natural bars for the purpose of accurately locating and marking the same. It was definitely provided that no barren bottoms should be leased in any part of the State until the natural bars of that region had been surveyed, charted, and marked with buoys."

Definition of a Natural Oyster Bar.

NATURAL BAR NOT DEFINED.

"The Shell Fish Commission is instructed by section 90 of the Haman oyster culture law to exercise its judgment liberally in favor of the natural bars when surveying, charting, and buoying them, but other than this the commission is uninstructed in this important matter. The responsibility of defining a natural bar is placed upon the commission.

DIVERSITY OF OPINION.

"No definition of a natural oyster bar could be formulated by any man or body of men which would meet with the approval of all parties concerned. Oystermen, as a rule, hold that all bottoms where oysters grow or have grown naturally, even though now practically barren of oysters, should be considered natural bars. Other citizens of the State, who are not directly interested in the oyster business but interested in the oyster industry from the standpoint of revenue, hold, as a rule, that no bottoms should be excluded from leasing for oyster culture which by methods known to oyster culturists may be made to yield a greater number of oysters than they now produce.

"It should be evident to everyone that neither of these definitions could be adopted by the commission as a working basis for determining which of the grounds surveyed are natural oyster bars."

THE GOLDSBOROUGH DEFINITION.

The definition of a natural oyster bar which very nearly approaches a reasonable and satisfactory compromise between the views of the subject held by oystermen on one hand and by oyster culturists on the other is that contained in an opinion rendered by Judge Charles F. Goldsborough in the circuit court for Dorchester County in the July term, 1881, in the case of William T. Windsor and George R. Todd *v.* Job T. Moore.

This definition has been adopted by the Shell Fish Commission as the basis for the determination of the status of the various oyster bottoms surveyed, and is as follows:

What, then, is a natural bar or bed of oysters? It would be a palpable absurdity for the State to attempt to promote the propagation and growth of oysters and to encourage its citizens, by a grant of land, to engage in their culture, if the lands authorized to be taken up were only those upon which oysters do not and can not be made to grow. That there may be lands covered by water in the State

where no oysters can be found, but where, if planted, they could be cultivated successfully, may be possible; but if so, I imagine that their extent must be too limited for them to be of much practical general advantage for the purposes of such a law as the one under discussion; but there are thousands of acres of hard and shifting sands where oysters not only are not found, but where it would be folly to plant them, and these latter it can not be supposed that the State intended to offer to give away, for the simple reason that the State could not help knowing that nobody would have them.

Upon the other hand there are large and numerous tracts where oysters of natural growth may be found in moderate numbers, but not in quantities sufficient to make it profitable to catch them, and yet where oysters may be successfully planted and propagated. In my opinion these can not be called natural bars or beds of oysters within the meaning of the act of assembly, and it is just such lands as these that the State meant to allow to be taken up under the provisions of the above-mentioned section of the act.

But there is still another class of lands where oysters grow naturally and in large quantities and to which the public are now and have been for many years in the habit of resorting with a view to earning a livelihood by catching this natural growth, and here, I think, is the true test of the whole question. Land can not be said to be a natural oyster bar or bed merely because oysters are scattered here and there upon it and because if planted they will readily live and thrive there; but whenever the natural growth is so thick and abundant that the public resort to it for a livelihood, it is a natural oyster bar or bed and comes within the above-quoted restriction in the law, and can not be located or appropriated by any individual.

APPLICATION OF DEFINITION.

Before this definition may be of use in determining accurately and scientifically the status of an oyster ground, its central idea, "livelihood," must be expanded into accurately determinable factors, and these factors must be combined into a practical scheme of investigating the condition of the ground under consideration.

Stated briefly, a livelihood is represented by a sum of money obtained from the sale, at a fixed price, of a certain quantity of oysters gathered in a given time from an allotted area of ground.

Knowing the value of each of these factors, it becomes possible to calculate the number of oysters an oyster ground must produce per square yard in order that oystermen may secure a livelihood by working upon it.

NOTE.—The factors into which the commission resolved the livelihood problem, the value assigned to each factor, and the scheme devised for practical use in examining and applying the definition to oyster bottoms are given in outline in their second report under the heading of the preceding extract, and in detail in their first report on pages 32 to 69.

APPENDIX C.—SUMMARY OF THE PARTICULAR SURVEYING OPERATIONS WHICH CONSTITUTE AN "OYSTER SURVEY" AS NOW BEING CARRIED ON IN MARYLAND.

Explanation.—A brief account of the particular surveying operations which constitute an "oyster survey" as now being carried on in Maryland, will assist in the interpretation of records contained in the technical part of this report, and will be of interest to many who may not understand the necessity for the great amount of work being done or its complicated character.

To those familiar with methods used in surveying and charting the characteristic features of large bodies of water there is an evident necessity for the various operations performed, especially when it is known that the boundaries of the public oyster bars and of the private lots leased for purposes of oyster culture must be surveyed and charted with the greatest practical accuracy. To others it will be sufficient to state that the actual experience gained from oyster surveys in other States has proven that in order to avoid endless dissatisfaction and litigation it is necessary to accurately locate and permanently establish oyster boundaries as is now being done in Maryland.

Triangulation survey.—Such refinement of survey work as that demanded by the conditions of an oyster survey when carried on at considerable distances offshore can only be obtained by the use of a system of triangulation as a framework or foundation. Therefore, a triangulation survey, including the permanent marking of the positions of landmarks with monuments, and a record of the descriptions of their locations for future recovery is a necessary operation of a complete oyster survey.

Topographic survey.—The technical records which establish the relation between the offshore oyster boundaries and triangulation landmarks are sufficient for the requirements of engineers in making resurveys, but do not supply the needs of others who are interested in the same boundaries by reason of their occupation as oystermen concerned as to the public oyster bars, or oyster culturists concerned as to the leasable bottoms. For these it is necessary to have the charts of the survey show the relation of the shore line and other topographic features to the boundaries of the public oyster bars and private oyster farms. Therefore a topographic survey is a necessary operation of a complete oyster survey.

Hydrographic survey.—In the settlement of the important question of what is or what is not a natural oyster bar, and in the consideration of bottoms to be selected for purposes of oyster culture, information as to the depth of water and the character of the bottom is required. Therefore a hydrographic survey is a necessary operation of a complete oyster survey.

Necessary foundation for an oyster survey.—Consequently, the necessary components of a satisfactory foundation for a complete oyster survey are the three classes of survey operations technically named triangulation, topography, and hydrography, or, stated in another way, the foundation of a practical oyster survey includes the surveying operations usually followed by the Coast and Geodetic Survey leading up to the preparation and publication of nautical charts.

Special surveys and investigations pertaining to oysters.—Having obtained this cartographic survey for a foundation, partly by new work and partly from records of previous work of the Government, the combined operations [1] making up an "oyster survey" are completed by superimposing on this foundation special surveys and investigations pertaining particularly to oysters or other shell fish.

The special surveys pertaining to oysters furnish information as to the location and outline of oyster-shell bottoms, and are carried on by the sounding-boat party in addition to the usual hydrographic work.[2] This operation consists of the observation and record of the character of vibration of a wire and chain apparatus which is dragged over the bottom, the vibrations or lack of vibrations indicating the presence and quantity of shells or absence of shells.

The special oyster investigations [3] consist of the actual determination of the kind and quantity of oysters on the bottom, and such economic and biological studies of the supply of oyster food, density of water, character of the bottom, and other important matters as affect the growth of oysters. In this work the oyster investigation stations are located and buoyed by the hydrographic party while engaged in the survey of the oyster-shell limits. They are selected with the view of obtaining characteristic data which can be used for the interpretation of the recorded vibrations of the chain apparatus at all other points covered by the survey.

Preparation of results.—The actual surveying operations and oyster investigations having been completed for any one county, there still remains technical work of nearly equal magnitude to that described.[4] This work consists of the preparation of charts and technical descriptions of boundaries and landmarks for publication by the Government, the preparation of that part of the annual report of the commission covering the special oyster surveys and investigations, the making of the leasing charts and finished projections, and finally the filing of the oyster charts and records with the courts and the commission, thus opening a county for oyster culture.

Summary.—From the foregoing account it can be seen that a complete oyster survey properly conducted so as to answer all practical requirements of the present and permanency of results for the future is a very complicated affair, involving many lines of surveying and other scientific work, and requiring the professional services of experts in the various operations of cartographic surveying and shell-fish investigations.

[1] See Appendix D of this publication for "Statistics of results of combined operations of the Government and State."

[2] See pp. 104 to 123 of "First Annual Report of Maryland Shell Fish Commission."

[3] See pp. 30 to 67 and 129 to 199 of "First Annual Report of Maryland Shell Fish Commission."

[4] No mention is made here of the large amount of administrative work of the commission, which is greatly complicated and increased by the effect of the oyster-survey operations on many thousands of people whose interests are more or less involved; or of the large amount of survey work involved in the survey and record of the boundaries of oyster lots leased from the State by private individuals for the purposes of oyster culture.

APPENDIX D.—STATISTICS OF RESULTS OF THE COMBINED OYSTER SURVEY OPERATIONS OF THE GOVERNMENT AND STATE.[1]

Operations	Anne Arundel County	Somerset County	Wicomico County	Worcester County	Calvert County	Charles County
Beginning of field work	June 29, 1906	May 2, 1907	Aug. 27, 1907	Nov. 8, 1907	May 2, 1908	Aug. 18, 1908
Filing of certified charts and reports	June 20, 1907	July 1, 1908	Dec. 1, 1908	Apr. 12, 1909	Dec. 14, 1909	Jan. 27, 1911
Natural oyster bars surveyed and delineated [3]	91	37	15	28	41	15
Acres of natural oyster bars	33,577	27,566	2,038	1,655	12,303	2,285
Crab bottoms surveyed and delineated		54				
Acres of crab bottoms		32,108				
Clam beds surveyed and delineated		3				
Acres of clam beds		506				
Boundary buoys located and planted	362	154	63	104	149	51
Triangulation landmarks established	123	86	30	48	78	42
Miles of shore line covered by triangulation	110	125	46	95	95	32
Square miles of water covered by triangulation	220	375	44	110	157	20
Miles of examination of shell bottom with chain apparatus	425	340	59	63	250	38
Oyster investigation stations occupied	440	679	162	147	667	113
Tide stations established	4	3	1	1	2	1
Number of soundings over shell bottoms	37,049	17,904	3,387	3,649	11,293	1,631
Square miles covered by soundings and chain apparatus	58	55	3	3	30	4
Projections prepared and plotted	9	13	2	5	8	3
Leasing charts prepared	13	12	2	3	5	2
Oyster charts published	4	6	2	3	5	1
Reports published	2	2	2	2	2	2
Progress maps published	2	2	2	2	2	2

Operations	St. Marys County	Baltimore County	Kent County	Queen Annes County	Talbot County	Total [2]
Beginning of field work	May 2, 1908	Apr. 14, 1909	Apr. 14, 1909	Apr. 14, 1909	July 6, 1909	
Filing of certified charts and reports	July 6, 1911	Aug. 10, 1911	Oct. 5, 1911	Nov. 29, 1911	July 20, 1912	
Natural oyster bars surveyed and delineated [3]	124	3	64	98	132	648
Acres of natural oyster bars	25,755	3,010	12,809	24,721	36,564	182,283
Crab bottoms surveyed and delineated						54
Acres of crab bottoms						32,108
Clam beds surveyed and delineated						3
Acres of clam beds						506
Boundary buoys located and planted	375	12	111	440	29	2,340
Triangulation landmarks established	88	15	127	192	336	1,022
Miles of shore line covered by triangulation	160	12	110	240	230	1,070
Square miles of water covered by triangulation	170	50	136	600	240	1,710
Miles of examination of shell bottom with chain apparatus	400	33	164	288	511	2,571
Oyster investigation stations occupied	1,472	61	1,151	1,949	1,975	8,819
Tide stations established	7	1	3	3	5	26
Number of soundings over shell bottoms	14,421	1,000	11,124	13,880	20,213	137,552
Square miles covered by soundings and chain apparatus	30	6	21	47	77	361
Projections prepared and plotted	1	4	1	12	14	69
Leasing charts prepared	1	1	4	11	12	53
Oyster charts published	1	1	1	4	7	35
Reports published	2	2	2	2	2	15
Progress maps published	2	1	1	1	1	13

[1] These statistics do not include the large amount of triangulation, topography, and hydrography resulting from previous work of the Coast and Geodetic Survey, which was utilized in the preparation of the published oyster charts and records. Work in Kent, Queen Annes, Talbot, and Dorchester Counties has been finished, but final statistics of results will not be published until these counties are opened for oyster culture.

[2] Less quantities covered by statistics of more than one county.

[3] Total area of natural oyster bars of Connecticut, 5,770 acres.

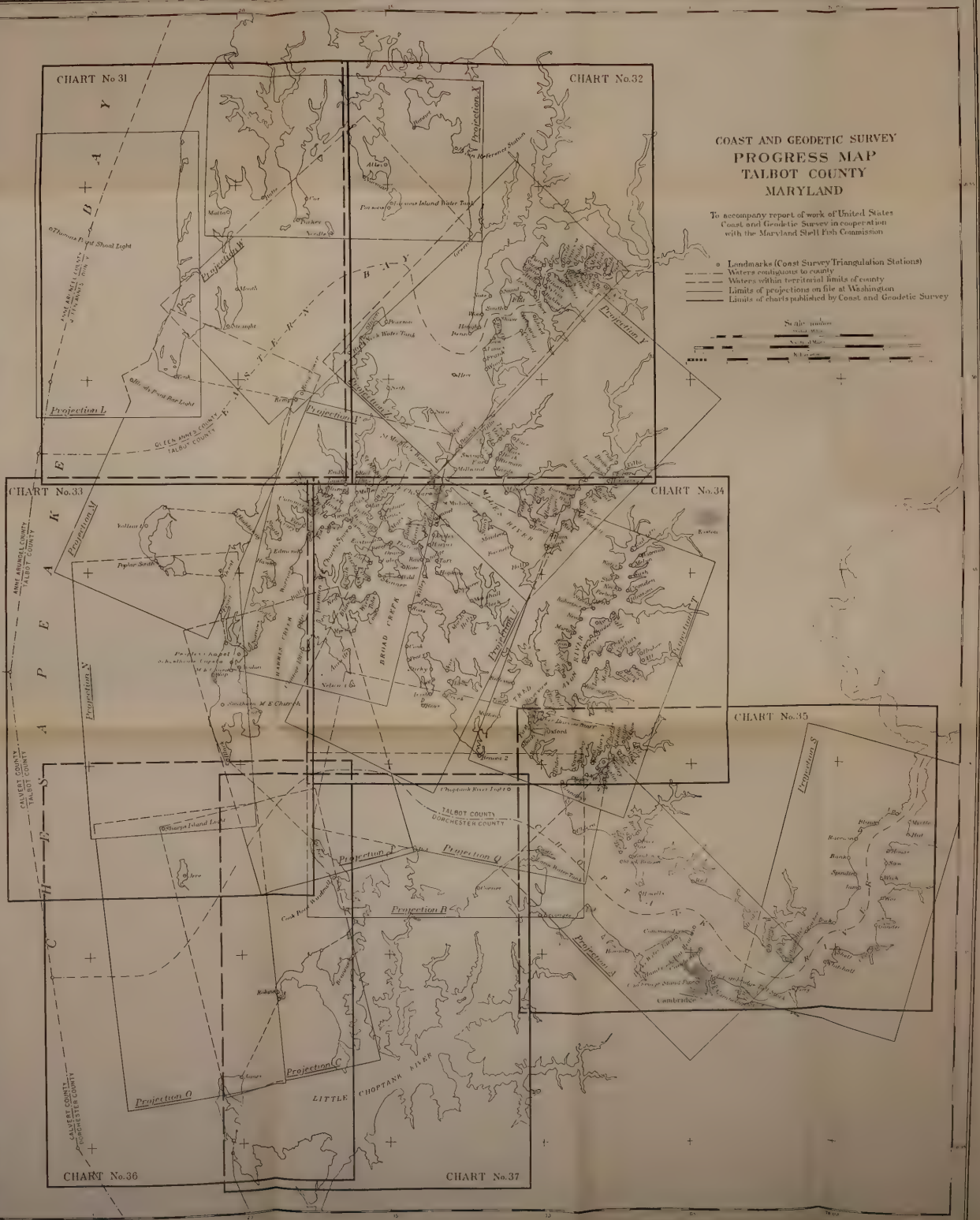
CHART No.31
CHART No.32
CHART No.33
CHART No.34
CHART No.35
CHART No.36
CHART No.37
COAST AND GEODETIC SURVEY
PROGRESS MAP
TALBOT COUNTY
MARYLAND
To accompany report of work of United States Coast and Geodetic Survey in cooperation with the Maryland Shell Fish Commission
Landmarks (Coast Survey Triangulation Stations)
Waters contiguous to county
Waters within territorial limits of county
Limits of projections on file at Washington
Limits of charts published by Coast and Geodetic Survey
Projection A
Projection B
Projection C
Projection D
Projection E
Projection F
Projection G
Projection H
Projection I
Projection J
Projection K
Projection L
Projection M
Projection N
Projection O
Projection P
Projection Q
Projection R
Projection S
CHOPTANK RIVER
LITTLE CHOPTANK RIVER
TRED AVON RIVER
MILL CREEK
BROAD CREEK
HARRIS CREEK
TALBOT COUNTY
DORCHESTER COUNTY
QUEEN ANNE'S COUNTY
ANNE ARUNDEL COUNTY
CALVERT COUNTY
Cambridge
Oxford
Easton

LIBRARY OF CONGRESS
0 002 896 799 8